

State of California
The Resources Agency

DEPARTMENT OF WATER RESOURCES
Division of Operations and Maintenance

STATE WATER PROJECT OPERATIONS DATA

For the month of:
January
2010

Edmund G. Brown Jr.
Governor
State of California

John Laird
Secretary for Resources
The Resources Agency

Mark Cowin
Director
Department of Water Resources

This monthly report of operational data for the State Water Project has been published since January 1965. Monthly SWP Operations Data Reports from January 1990 have been made available on the Internet at <http://www.water.ca.gov/swp/operationscontrol/projectwide.cfm>. It provides the State Water Service Contractors, public agencies, consultants and others with the daily and monthly status of the Project's water and power operations.

Revisions to these data will appear in the Annual Report of Operations reflecting corrections made after the monthly summaries have been printed.

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MARK COWIN, Director

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The organization shown above represents staff and positions relevant to this report as of publication date on October 2012. It is the Department's policy to not show staff in "Acting" or "Temporary" positions.

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MONTHLY HIGHLIGHTS

The following activities highlight actions that affected State Water Project operations during January 2010:

Statewide precipitation was about 110 percent of average for the 2009 - 2010 water-year through January 31. Precipitation percentages are used in this report to express historical and regional comparisons. Additional and more specific information is available on the internet at:
[“http://cdec.water.ca.gov/snow_rain.html”](http://cdec.water.ca.gov/snow_rain.html).

Snowpack data is compiled four times annually, for the months of January, February, March, and April, by the California Department of Water Resources in Bulletin 120. The Bulletin also contains forecasts of seasonal runoff volume from the state's major watersheds, summaries of precipitation, and reservoir storages in various regions of the State.

Snowpack water content for January 2010 was about 115 percent of average compared to 60 percent at this time in 2009. This was about 75 percent of the April 1 average, the normal date of maximum accumulation.

Cumulative unimpaired runoff for the Sacramento River Region for the 2009 - 2010 water-year was 3.7 maf, 63 percent of average. Statewide runoff for the 2009 - 2010 water-year was 65 percent of average.

Statewide reservoir storage was 80 percent of average to date. Total storage in major SWP reservoirs at the end of January was about 2.31 maf compared to 1.96 maf at this time in 2009. On January 31, end-of-month storage at Lake Oroville was about 1.19 maf, as compared to 1.02 maf at this time in 2009. The State share of San Luis Reservoir's end-of-month storage was about 567 taf, as compared with 391 taf at this time in 2009. The combined storage in SWP's southern reservoirs was about 554 taf, compared with about 552 taf at this time in 2009.

SWP water deliveries to date through January were about 84 taf. Water deliveries are a combination of project, transfer, and exchange classifications. Total deliveries through this same period in 2009 were 85 taf.

From January 1 through January 19, the United States Bureau of Reclamation and the California Department of Water Resources declared “Balanced” Conditions in the Delta. On January 20, 2010, by mutual agreement between the United States Bureau of Reclamation and the California Department of Water Resources, “Excess” Conditions with restricted operations were declared in the Delta in accordance with Article 6(h) of the COA. Due to fish concerns, “Excess” conditions remained throughout the end of the month. Excess conditions with restricted operations exist when upstream reservoir releases plus unregulated natural flow exceed Sacramento Valley in-basin uses, plus exports.

On January 12, 2010, Warne Plant was scheduled out of service to perform a DOBLE test on switchyard surge arrestors. Work was completed, but upon returning the plant to service at 1820 hrs, a compressor failed thus forcing the plant out of service pending further repairs. Warne Plant was reported back in service at 1620 hours on January 13.

On January 20, 2010, Devil's Den Plant was forced out of service from 1210 to 1658 hours due to a voltage spike on PG&E's 70 KV line. The spike caused the station service breakers to open.

Table 1. Antelope Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 22,566 ac-ft

January 2010

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs					Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage		
				Stream-flow Maint.	Water Supply Contract	Water Right				
Dec 31	4992.65	14,818								
1	4992.62	14,797	-21	20	0	0	0	2	22	
2	4992.60	14,782	-15	20	0	0	0	2	22	
3	4992.60	14,782	0	20	0	0	0	2	22	
4	4992.60	14,782	0	20	0	0	0	2	22	
5	4992.60	14,782	0	20	0	0	0	2	22	
6	4992.60	14,782	0	20	0	0	0	2	22	
7	4992.60	14,782	0	20	0	0	0	2	22	
8	4992.60	14,782	0	20	0	0	0	2	22	
9	4992.60	14,782	0	20	0	0	0	2	22	
10	4992.60	14,782	0	20	0	0	0	2	22	
11	4992.60	14,782	0	20	0	0	0	2	22	
12	4992.60	14,782	0	20	0	0	0	2	22	
13	4992.60	14,782	0	20	0	0	0	2	22	
14	4992.60	14,782	0	20	0	0	0	2	22	
15	4992.60	14,782	0	20	0	0	0	2	22	
16	4992.60	14,782	0	20	0	0	0	2	22	
17	4992.65	14,818	36	20	0	0	0	2	22	
18	4992.74	14,884	66	20	0	0	0	2	22	
19	4992.75	14,891	7	20	0	0	0	2	22	
20	4992.80	14,928	37	20	0	0	0	2	22	
21	4992.87	14,979	51	20	0	0	0	1	21	
22	4992.83	14,949	-30	20	0	0	0	1	21	
23	4992.83	14,949	0	20	0	0	0	1	21	
24	4992.81	14,935	-14	20	0	0	0	1	21	
25	4992.81	14,935	0	20	0	0	0	1	21	
26	4992.81	14,935	0	20	0	0	0	1	21	
27	4992.81	14,935	0	20	0	0	0	1	21	
28	4992.81	14,935	0	20	0	0	0	1	21	
29	4992.81	14,935	0	20	0	0	0	1	21	
30	4992.81	14,981	46	20	0	0	0	1	21	
31	4992.79	14,920	-61	20	0	0	0	1	21	
Total cfs-days				- - -	620	0	0	26	646	
Total ac-ft				102	1,230	0	0	51	1,281	
									1,383	

Table 2. Frenchman Lake

Daily Operation
(in acre-feet except as noted)

Capacity: 55,477 ac-ft

January 2010

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage	Total Outflow		
				Stream-flow Maint.	1/ Water Supply Contract	Water Right					
Dec 31	5558.73	20,370									
1	5558.77	20,404	34	3	0	0	0	2	5	22	
2	5558.70	20,345	-59	3	0	0	0	2	5	-25	
3	5558.73	20,370	25	3	0	0	0	2	5	18	
4	5558.71	20,353	-17	3	0	0	0	1	4	-5	
5	5558.71	20,353	0	3	0	0	0	1	4	4	
6	5558.71	20,353	0	3	0	0	0	1	4	4	
7	5558.71	20,353	0	3	0	0	0	1	4	4	
8	5558.71	20,353	0	3	0	0	0	1	4	4	
9	5558.75	20,387	34	3	0	0	0	1	4	21	
10	5558.74	20,379	-8	3	0	0	0	1	4	0	
11	5558.74	20,379	0	3	0	0	0	1	4	4	
12	5558.80	20,430	51	3	0	0	0	1	4	30	
13	5558.88	20,498	68	3	0	0	0	1	4	38	
14	5558.89	20,507	9	3	0	0	0	1	4	9	
15	5558.91	20,524	17	3	0	0	0	1	4	13	
16	5558.91	20,524	0	3	0	0	0	1	4	4	
17	5558.91	20,524	0	3	0	0	0	1	4	4	
18	5559.00	20,601	77	3	0	0	0	1	4	43	
19	5559.00	20,601	0	3	0	0	0	1	4	4	
20	5559.09	20,679	78	3	0	0	0	1	4	43	
21	5559.10	20,687	8	3	0	0	0	1	4	8	
22	5559.09	20,679	-8	3	0	0	0	1	4	0	
23	5559.08	20,676	-3	3	0	0	0	1	4	2	
24	5559.12	20,696	20	3	0	0	0	1	4	14	
25	5559.13	20,713	17	3	0	0	0	1	4	13	
26	5559.15	20,731	18	3	0	0	0	1	4	13	
27	5559.14	20,722	-9	3	0	0	0	1	4	-1	
28	5559.14	20,722	0	3	0	0	0	1	4	4	
29	5559.16	20,739	17	3	0	0	0	1	4	13	
30	5559.16	20,739	0	3	0	0	0	1	4	4	
31	5559.16	20,739	0	3	0	0	0	1	4	4	
Total cfs-days				---	93	0	0	34	127	313	
Total ac-ft				369	184	0	0	68	252	621	

1/ Last Chance Creek Water District.

Table 3. Lake Davis

Daily Operation
(in acre-feet except as noted)

Capacity: 84,371 ac-ft

January 2010

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage	Total Outflow		
				Stream-flow Maint.	Water Right 1/	Water Supply Contract					
Dec 31	5762.17	41,260									
1	5762.15	41,206	-54	10	0.2	0	0	3	13	-14	
2	5762.15	41,206	0	10	0.2	0	0	3	13	13	
3	5762.14	41,179	-27	10	0.2	0	0	3	13	-1	
4	5762.13	41,152	-27	10	0.2	0	0	3	13	-1	
5	5762.12	41,125	-27	10	0.2	0	0	3	13	-1	
6	5762.12	41,125	0	10	0.2	0	0	3	13	13	
7	5762.11	41,099	-26	10	0.2	0	0	3	13	0	
8	5762.10	41,072	-27	10	0.2	0	0	3	13	-1	
9	5762.10	41,072	0	10	0.2	0	0	3	13	13	
10	5762.10	41,072	0	10	0.2	0	0	3	13	13	
11	5762.09	41,045	-27	10	0.2	0	0	3	13	-1	
12	5762.20	41,340	295	10	0.2	0	0	3	13	162	
13	5762.27	41,529	189	10	0.2	0	0	3	13	108	
14	5762.28	41,556	27	10	0.2	0	0	3	13	27	
15	5762.28	41,556	0	10	0.2	0	0	3	13	13	
16	5762.26	41,502	-54	10	0.2	0	0	3	13	-14	
17	5762.29	41,583	81	10	0.2	0	0	3	13	54	
18	5762.45	42,016	433	10	0.2	0	0	3	13	231	
19	5762.47	42,071	55	10	0.2	0	0	3	13	41	
20	5762.58	42,370	299	10	0.2	0	0	3	13	164	
21	5762.60	42,425	55	10	0.2	0	0	3	13	41	
22	5762.60	42,425	0	10	0.2	0	0	3	13	13	
23	5762.59	42,398	-27	10	0.2	0	0	3	13	-1	
24	5762.59	42,398	0	10	0.2	0	0	3	13	13	
25	5762.62	42,480	82	10	0.2	0	0	3	13	54	
26	5762.61	42,452	-28	10	0.2	0	0	3	13	-1	
27	5762.62	42,480	28	10	0.2	0	0	3	13	27	
28	5762.60	42,425	-55	10	0.2	0	0	3	13	-15	
29	5762.59	42,398	-27	10	0.2	0	0	3	13	-1	
30	5762.59	42,398	0	10	0.2	0	0	3	13	13	
31	5762.59	42,398	0	10	0.2	0	0	2	12	12	
Total cfs-days				---	304	6	0	92	402	975	
Total ac-ft				1,138	603	12	0	182	797	1,935	

1/ Includes unclassified non-project diversions to local agencies (Valberti and Romelli).

Table 4. Lake Oroville

Daily Operation

(in acre-feet except as noted)

Capacity: 3,537,580 ac-ft

January 2010

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow							Inflow		
				Hyatt Powerplant Generation 1/	Palermo Canal 2/	Lime Saddle Marina	Butte County Del Oro	Evaporation 3/	Spill	Total Outflow	Hyatt Powerplant Pumpback	Computed Inflow 4/	
5	Dec 31	668.43	1,029,534										
	1	668.29	1,028,604	-930	3,804	3	0	0	4	0	3,811	0	2,881
	2	668.48	1,029,866	1,262	2,628	4	0	0	8	0	2,640	0	3,902
	3	668.40	1,029,334	-532	3,708	4	0	0	21	0	3,733	0	3,201
	4	667.86	1,025,751	-3,583	5,480	4	0	0	12	0	5,496	0	1,913
	5	667.09	1,020,658	-5,093	7,328	4	0	0	8	0	7,340	0	2,247
	6	666.83	1,018,942	-1,716	5,061	4	0	0	16	0	5,081	0	3,365
	7	665.80	1,012,163	-6,779	8,712	4	0	0	0	0	8,716	0	1,937
	8	665.62	1,010,981	-1,182	3,886	4	0	0	0	0	3,890	0	2,708
	9	665.85	1,012,491	1,510	2,149	4	0	0	0	0	2,153	0	3,663
	10	666.00	1,013,477	986	1,834	4	0	0	12	0	1,850	0	2,836
	11	665.42	1,009,670	-3,807	5,096	4	0	0	8	0	5,108	0	1,301
	12	666.12	1,014,266	4,596	3,277	4	0	0	4	0	3,285	0	7,881
	13	668.30	1,028,670	14,404	3,301	3	0	0	0	0	3,304	0	17,708
	14	669.09	1,033,931	5,261	5,376	2	0	0	33	0	5,411	0	10,672
	15	669.40	1,035,997	2,066	5,100	2	0	0	12	0	5,114	0	7,180
	16	669.92	1,039,470	3,473	2,160	2	0	0	12	0	2,174	0	5,647
	17	670.95	1,046,374	6,904	2,097	2	0	0	17	0	2,116	0	9,020
	18	672.20	1,054,794	8,420	8,610	2	0	0	0	0	8,612	0	17,032
	19	674.47	1,070,206	15,412	8,361	2	0	0	0	0	8,363	0	23,775
	20	676.82	1,086,326	16,120	7,540	2	0	0	34	0	7,576	0	23,696
	21	679.14	1,102,406	16,080	2,572	2	0	0	34	0	2,608	0	18,688
	22	680.57	1,112,400	9,994	2,456	1	0	0	26	0	2,483	0	12,477
	23	681.87	1,121,541	9,141	744	0	0	0	4	0	748	0	9,889
	24	682.93	1,129,033	7,492	1,052	0	0	0	0	0	1,052	0	8,544
	25	684.22	1,138,199	9,166	220	0	0	0	0	0	220	0	9,386
	26	685.76	1,149,210	11,011	2,312	0	0	0	22	0	2,334	0	13,345
	27	687.28	1,160,151	10,941	0	0	0	0	13	0	13	0	10,954
	28	688.39	1,168,187	8,036	1,165	0	0	0	22	0	1,187	0	9,223
	29	689.47	1,176,044	7,857	210	0	0	0	13	0	223	0	8,080
	30	690.53	1,183,792	7,748	1,026	0	0	0	14	0	1,040	0	8,788
	31	691.45	1,190,546	6,754	1,257	0	0	1	14	0	1,272	0	8,026
Total				161,012	108,522	62	0	1	363	0	108,948	0	269,960

1/ Includes bypass flows

2/ South Feather Water and Power Agency

3/ Evaporation will be zero for days when there is precipitation or heavy overcast.

4/ Does not include pumpback.

**Table 5. Thermalito Forebay
Including Diversion Pool and Power Canal**

Daily Operation

(in acre-feet except as noted)

January 2010

Capacity: 25,120 ac-ft

Date	Storage 1/	Storage Change	Inflow			Outflow					Losses (-) And Gains (+)
			Lake Oroville Releases 2/	Kelly Ridge Generation	Thermalito Pumping- Generating Plant Pumpback	Thermalito Pumping- Generating Plant Generation 3/	Butte County Cal Water	Thermalito Irrigation District	Releases To River 4/	Hyatt Powerplant Pumpback	
Dec 31	24,074										
1	24,191	117	3,804	284	0	3,750	3	4	1,323	0	1,109
2	24,113	-78	2,628	244	0	2,387	3	4	1,323	0	767
3	24,087	-26	3,708	183	0	3,310	3	4	1,323	0	723
4	24,080	-7	5,480	121	0	4,814	3	4	1,323	0	536
5	24,098	18	7,328	117	0	7,062	3	4	1,323	0	965
6	24,166	68	5,061	103	0	4,482	3	4	1,323	0	716
7	24,312	146	8,712	80	0	8,076	3	4	1,323	0	760
8	24,736	424	3,886	41	0	3,204	3	3	1,323	0	1,030
9	24,312	-424	2,149	81	0	2,524	3	3	1,323	0	1,199
10	24,049	-263	1,834	109	0	2,268	3	3	1,325	0	1,393
11	24,159	110	5,096	103	0	3,784	3	3	1,327	0	28
12	24,263	104	3,277	122	0	1,760	3	3	1,329	0	-200
13	24,213	-50	3,301	324	0	2,507	3	3	1,329	0	167
14	24,238	25	5,376	404	0	3,992	3	3	1,503	0	-254
15	24,832	594	5,100	474	0	2,856	3	3	1,743	0	-375
16	24,155	-677	2,160	304	0	1,452	3	3	1,549	0	-134
17	24,020	-135	2,097	406	0	2,696	3	3	1,331	0	1,395
18	24,571	551	8,610	465	0	8,176	3	3	1,329	0	987
19	23,902	-669	8,361	486	0	9,416	3	3	1,357	0	1,263
20	23,867	-35	7,540	486	0	8,004	2	3	1,355	0	1,303
21	24,126	259	2,572	486	0	2,420	2	3	1,345	0	971
22	24,086	-40	2,456	486	0	2,752	2	3	1,339	0	1,114
23	23,578	-508	744	486	0	1,120	2	3	1,341	0	728
24	23,599	21	1,052	486	0	92	2	3	1,345	0	-75
25	23,089	-510	220	486	0	91	2	3	1,353	0	233
26	24,411	1,322	2,312	486	0	233	2	3	1,347	0	109
27	23,679	-732	0	486	0	120	2	3	1,345	0	252
28	23,627	-52	1,165	486	0	170	2	3	1,345	0	-183
29	22,771	-856	210	444	0	0	2	3	1,353	0	-152
30	22,900	129	1,026	485	0	0	2	3	1,357	0	-20
31	22,956	56	1,257	269	0	120	2	3	1,337	0	-8
Total		-1,118	108,522	10,023	0	93,638	81	100	42,189	0	16,345

1/ Sum of Thermalito Forebay and Diversion Pool.

2/ Sum of releases from Lake Oroville through Hyatt plant, and spill.

3/ Includes Bypass flows at Thermalito.

4/ The sum of the flows from fish barrier dam and the fish hatchery.

Table 6. Thermalito Afterbay

Daily Operation

(in acre-feet except as noted)

Capacity: 57,040 ac-ft

January 2010

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow					Losses (-) and Gains (+)	Total Releases to River 2/	
				Thermalito Pumping-Generating Plant Generation 1/	Sutter Butte Canal	Western Canal Lateral	Richvale Canal	Western Canal	Afterbay River Outlet	Thermalito Pumping-Generating Plant Pumpback			
Dec 31	133.76	45,776											
1	133.37	44,259	-1,517	3,750	1,690	6	454	410	1,450	0	-1,257	2,773	
2	132.68	41,634	-2,625	2,387	1,696	10	450	409	1,450	0	-997	2,773	
3	132.30	40,220	-1,414	3,310	1,692	6	454	410	1,448	0	-714	2,771	
4	132.24	39,999	-221	4,814	1,696	6	450	464	1,452	0	-967	2,775	
5	132.75	41,897	1,898	7,062	1,700	6	450	512	1,454	0	-1,042	2,777	
6	132.59	41,297	-600	4,482	1,690	6	452	522	1,452	0	-960	2,775	
7	133.43	44,491	3,194	8,076	1,690	6	452	567	1,454	0	-713	2,777	
8	132.84	42,236	-2,255	3,204	1,700	6	450	563	1,450	0	-1,290	2,773	
9	132.00	39,120	-3,116	2,524	1,694	6	452	541	1,450	0	-1,497	2,773	
10	131.07	35,800	-3,320	2,268	1,694	6	452	540	1,452	0	-1,444	2,777	
11	130.92	35,277	-523	3,784	1,698	6	452	496	1,450	0	-205	2,777	
12	130.49	33,799	-1,478	1,760	1,696	10	450	400	1,456	0	774	2,785	
13	129.95	31,985	-1,814	2,507	1,690	6	452	400	1,452	0	-321	2,781	
14	130.00	32,151	166	3,992	1,642	0	452	400	1,448	0	116	2,951	
15	129.96	32,019	-132	2,856	1,402	2	105	367	1,448	0	336	3,191	
16	129.40	30,187	-1,832	1,452	1,279	2	0	319	1,446	0	-238	2,995	
17	129.03	29,004	-1,183	2,696	1,300	2	0	321	1,450	0	-806	2,781	
18	130.70	34,517	5,513	8,176	1,200	1	0	111	1,454	0	103	2,783	
19	132.65	41,521	7,004	9,416	1,000	0	0	0	1,452	0	40	2,809	
20	134.25	47,711	6,190	8,004	700	0	0	0	1,454	0	340	2,809	
21	134.28	47,830	119	2,420	0	0	0	0	1,454	0	-847	2,799	
22	134.30	47,910	80	2,752	0	0	0	0	1,460	0	-1,212	2,799	
23	134.04	46,878	-1,032	1,120	0	0	0	0	1,460	0	-692	2,801	
24	133.70	45,541	-1,337	92	0	0	0	0	1,444	0	15	2,789	
25	133.41	44,413	-1,128	91	0	0	0	0	1,446	0	227	2,799	
26	133.13	43,337	-1,076	233	0	0	0	0	1,450	0	141	2,797	
27	132.73	41,822	-1,515	120	0	0	0	0	1,456	0	-179	2,801	
28	132.41	40,627	-1,195	170	0	0	0	0	1,444	0	79	2,789	
29	132.03	39,229	-1,398	0	0	0	0	0	1,448	0	50	2,801	
30	131.63	37,782	-1,447	0	0	0	0	0	1,458	0	11	2,815	
31	131.22	36,326	-1,456	120	0	0	0	0	1,446	0	-130	2,783	
Total				-9,450	93,638	30,550	92	6,427	7,750	44,988	0	-13,281	87,177

1/ Includes Bypass flows at Thermalito.

2/ The sum of the flows from the fish barrier dam, fish hatchery, and afterbay river outlet.

Table 7. Oroville-Thermalito Complex

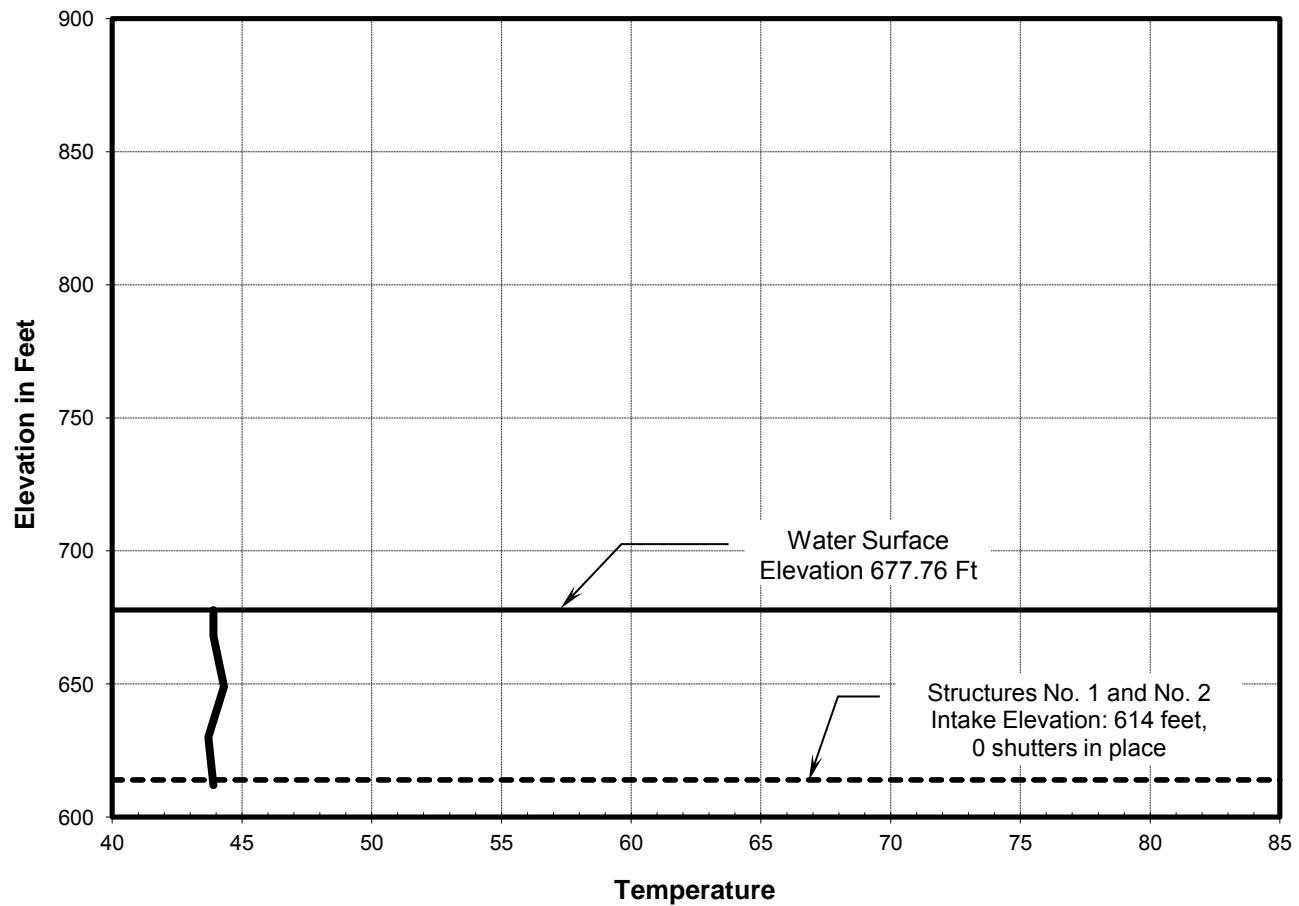
Water Temperature Data

(in degrees Fahrenheit)

January 2010

Date	Mean Daily Temperature	
	Thermalito Afterbay Outlet	Fish Hatchery
1	45.6	47
2	46.3	47
3	46.7	47
4	46.6	47
5	46.5	47
6	46.3	47
7	46.1	46
8	46.1	46
9	46.1	46
10	46.1	46
11	46.1	46
12	46.6	46
13	47.8	46
14	47.9	46
15	47.7	45
16	47.8	46
17	47.8	46
18	47.9	46
19	47.5	46
20	46.8	44
21	46.3	44
22	45.7	44
23	45.5	45
24	45.3	45
25	45.2	45
26	45.6	45
27	46.1	45
28	46.4	45
29	46.7	45
30	47.2	45
31	47.9	46

**Lake Oroville Temperature Profile
on January 21, 2010**



Note: Water surface elevations on Table 4 are taken at Oroville Dam at midnight and may differ slightly from those shown on this table which are normally taken at mid-day and upstream from Oroville Dam.

Table 8. North Bay Aqueduct
Delta Field Division, Monthly Deliveries

January 2010

(In acre-feet)

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Mile			Table A	Permit	Article 56C	Article 21		
	No.	Structure									
1	1	Barker Slough Pumping Plant	0.17	(Into the North Bay Aqueduct)	921	6	20	23	88		
		Travis Surge Tank	8.78								
			8.80	Solano County Water Agency Travis AFB	6						
			10.54	Solano County Water Agency Fairfield / Vacaville 24"	0						
				Solano County Water Agency Fairfield / Vacaville 42"	0						
2			17.00	Solano County Water Agency Central Solano	Stub						
3A	2	Cordelia Forebay	21.23			43	20	38	512		
		Cordelia Pumping Plant & Cordelia Spillway	21.30								
		Napa Pipeline	21.33	Solano County Water Agency Vallejo							
3B	2	Cordelia Surge Tank	23.33								
		Creston Surge Tank Connection	25.65								
			26.95	Napa County Flood Control & WCD American Canyon 2	126						
			27.27	Napa County Flood Control & WCD American Canyon 3	0						
		Napa Terminal Tank	27.58	City of Napa	731						
			27.60	Napa County Flood Control & WCD American Canyon 1	0						

Table 9. Delta Field Division Plant Data

(in acre-feet)

January 2010

Date	North Bay Aqueduct		California Aqueduct		South Bay Aqueduct			
	Barker Slough Pumping Plant	Cordelia Pumping Plant	Banks Pumping Plant		South Bay Pumping Plant	Del Valle Pumping Plant		
			Total	SWP		Into Lake	Into Aqueduct	Gravity Flow Through Plant Into Aqueduct
1	27	28	5,830	5,830	0	0	0	0
2	31	28	5,839	5,839	0	0	0	0
3	30	28	5,844	5,844	0	0	0	0
4	25	26	7,654	7,654	0	0	0	0
5	33	30	8,637	8,637	0	0	0	0
6	29	30	8,955	8,955	0	0	0	0
7	34	34	7,809	7,809	0	0	0	0
8	28	26	7,751	7,751	87	0	0	0
9	37	39	6,654	6,654	97	0	0	0
10	56	53	7,041	7,041	67	0	0	0
11	33	31	6,600	6,600	39	0	0	0
12	31	33	6,956	6,956	62	0	0	0
13	29	29	7,917	7,917	71	0	0	0
14	29	24	8,570	8,570	122	0	0	0
15	33	33	10,107	10,107	124	0	0	0
16	29	30	9,641	9,641	136	0	0	0
17	32	31	10,759	10,759	124	0	0	0
18	28	31	9,672	9,672	105	0	0	0
19	31	28	9,790	9,790	120	0	0	0
20	12	14	9,712	9,712	152	0	0	0
21	20	19	9,806	9,806	242	0	0	0
22	26	25	1,154	1,154	301	0	0	0
23	33	31	7,541	7,541	258	0	0	0
24	21	23	6,808	6,808	263	0	0	0
25	27	27	5,422	5,422	226	0	0	0
26	37	34	9,267	9,267	217	0	0	0
27	23	22	7,736	7,736	69	0	0	0
28	23	24	9,268	9,268	180	0	0	0
29	35	31	10,590	10,590	229	0	0	0
30	29	31	10,618	10,618	173	0	0	0
31	30	27	7,209	7,209	225	0	0	0
Total	921	900	247,157	247,157	3,689	0	0	0

Table 10. Clifton Court Forebay

Daily Operation of Gates

January 2010

Date	Time										Amount of inflow in Acre-Feet
	Opened	Closed									
1	03:30	09:05									5,938
2	00:01	01:15	04:15	13:37							5,925
3	00:01	02:00	05:00	09:20	11:48	12:21					5,930
4	00:01	01:30	05:45	12:20							7,927
5	00:01	02:10	06:30	12:55							8,916
6	00:01	01:19	07:15	17:05	20:18	21:30					8,912
7	00:01	02:57	07:20	09:00	12:35	17:55					7,896
8	08:00	10:00	13:15	17:14							7,884
9	00:01	06:03	08:25	10:50	14:02	15:57					6,912
10	00:33	12:00									6,933
11	01:40	12:43									6,914
12	02:05	12:00									6,934
13	02:20	09:18									7,924
14	03:00	11:54	14:40	15:45	18:25	18:55					8,914
15	03:30	16:05	18:30	20:10							9,914
16	04:00	11:53	12:40	16:43	19:15	20:15					9,899
17	00:01	00:35	04:30	12:10	15:03	17:30					9,877
18	00:01	01:29	05:01	11:55	14:20	15:50					9,886
19	00:01	02:30	05:35	12:30							9,908
20	00:01	03:00	06:20	16:55	22:22	23:00					9,890
21	00:01	03:30	06:30	09:50							6,926
22	00:01	06:33									5,930
23	00:01	08:45	12:15	13:50							5,925
24	00:01	08:52	13:35	16:23							5,947
25	00:01	06:39									5,917
26	00:01	11:51									8,880
27	00:50	13:15	17:14	18:55							7,918
28	01:45	11:15	12:55	14:15							9,398
29	02:35	10:44	11:40	15:15	17:45	19:10					10,504
30	03:15	09:35	10:40	11:15	13:33	15:35					9,886
31	03:53	10:30									7,898
Total inflow for the month in AF:											248,362

Table 11. Governor Edmund G. Brown California Aqueduct

Delta Field Division, Monthly Deliveries

(In acre-feet)

January 2010

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		No.			Table A	USBR	Local Other	Article 56C	Federal Contractor	
	No.	Structure	Mile								
1A			1.83	Byron-Bethany I.D.	301			301			
1	1	Banks Pumping Plant	3.32		247,157						
		South Bay Pumping Plant	4.49	Bethany Reservoir (Into the South Bay Aquaduct)	3,689						
		Check No. 1	5.95								
			8.08	Alameda Co. Zone 7 WA Mountain House Golf Course	0						
	2	Check No. 2	12.01								
			12.47	Musco Olive	25						
		Check No. 3	18.29								
	3		22.16	Tracy Golf & Country Club	0						
		Check No. 4	23.99								
2A	4	Check No. 5	29.73								
	5	Check No. 6	34.24								
	6		35.22	Turlock Fruit Company Inflow	0						
		Check No. 7	39.91								
	7		42.46	Oak Flat Water District-A	0						
			42.9	Western Hills WD	31						
			43.81	Oak Flat Water District-B	0						
			44.64	Oak Flat Water District-C	0						
		Check No. 8	45.97								
2B	8		46.18	Oak Flat Water District-D	0						
				Oak Flat Totals:	0						
	9	Check No. 9	51.3								
		Check No. 10	56.86								
	10	Check No. 11	61.4								
			66.14	Veteran's Cemetery	8						
	11		66.71		239,300						
		Check No. 12									

Table 12. South Bay Aqueduct
Delta Field Division, Monthly Deliveries

January 2010

(In acre-feet)

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending		No.			Table A	Local	Article 56C	Article 14B	Other	Recreation	
	No.	Structure	Mile									
1	1	South Bay Pumping Plant	0.00	(into South Bay Aqueduct)	3,689	2						
			3.17	Granite - Vasco Rd. (Temp.)	0							
			3.18	Oakland Scavenger Zone 7	2							
		Check No. 1	3.91									
	2	Check No. 2	5.21									
2	3		7.21	Zone 7 Water Agency Altamont	0	2						
		Check No. 3	9.49	Zone 7 Water Agency Patterson								
				Storage Exchange	0							
4	4	Check No. 4	10.68			154						
		Check No. 5	12.29									
	6		13.55	Zone 7 Water Agency Wente #1	2		2					
			14.16	Zone 7 Water Agency Wente #2	0							
			14.31	Zone 7 Water Agency Ising	0							
		Check No. 6	14.65									
	7		14.78	Zone 7 Water Agency Arroyo Mocho Project Water	154		154					
		Check No. 7	16.38									
	8		16.57	Zone 7 Water Agency Wente #3	0	90	6	3	1			
			16.63	Zone 7 Water Agency Wente #4	6							
			16.69	Zone 7 Water Agency Norman Nursery	0							
			16.70	Zone 7 Water Agency Concannon Project Water	3							
		Del Valle Branch Pipeline Junction	18.63	Pumped into Lake Del Valle	0							
				Pumped into South Bay Aqueduct	0							
				Gravity into South Bay Aqueduct	0							
		Deliveries through Del Valle Branch Pipeline		Zone 7 Water Agency Arroyo Valle #1 & #2								
				Project Water	0							
				Storage Exchange	0							
				Inflow Release	90							
5	8			East Bay Regional Park Dist.		43	559	348	348			
				Del Valle Recreation	0							
6				Zone 7 Water Agency Wente #5	0							
			19.20	Zone 7 Water Agency So. Livermore Project								
7				Storage Exchange	559							
				Project Water	391							
8			19.21	Zone 7 - Kalthof Detjens	0							
		La Costa Tunnel	22.50	ACWD - Vallecitos								
9				Project Water	0							
			25.97	City of San Francisco								
		Mission Tunnel	28.97	San Antonio	0							
				ACWD - Bayside 1 & 2								
				Project Water	983							
		Santa Clara Pipeline	35.86	Storage Exchange	0							
				Meter	1,489							

1/ Recovery of Santa Clara Valley WD banked water in San Luis.

Table 13. Lake Del Valle
Daily Operation

Capacity: 77,106 ac-ft

January 2010

Date	Water Surface Elevation (feet)	Storage	Storage Change	Inflow		Outflow					Precipitation (inches)
				Natural 1/	From South Bay Aqueduct	Arroyo Valle	South Bay Aqueduct 2/	Recreation Deliveries 3/	Evaporation	Total Outflow	
Dec 31	684.65	28,273									
1	684.65	28,273	0	3	0	0	0	1	2	3	0.00
2	684.68	28,290	17	18	0	0	0	0	1	1	0.00
3	684.66	28,279	-11	-9	0	0	0	0	2	2	0.00
4	684.69	28,295	17	18	0	0	0	0	1	1	0.00
5	684.69	28,295	0	2	0	0	0	0	2	2	0.00
6	684.71	28,307	11	12	0	0	0	0	1	1	0.00
7	684.70	28,301	-6	-4	0	0	0	0	2	2	0.00
8	684.70	28,301	0	1	0	0	0	0	1	1	0.00
9	684.71	28,307	6	6	0	0	0	0	0	0	0.00
10	684.72	28,312	6	6	0	0	0	0	0	0	0.00
11	684.71	28,307	-6	-4	0	0	0	0	1	1	0.00
12	684.74	28,323	17	18	0	0	0	0	1	1	0.24
13	684.83	28,374	50	52	0	0	0	0	2	2	0.29
14	684.85	28,385	11	13	0	0	0	0	2	2	0.23
15	684.86	28,390	6	8	0	0	0	0	3	3	0.00
16	684.87	28,396	6	6	0	0	0	0	1	1	0.00
17	684.89	28,407	11	12	0	0	0	0	1	1	0.00
18	685.12	28,536	129	131	0	0	0	0	2	2	0.31
19	687.52	29,909	1,373	1,376	0	0	0	0	3	3	1.59
20	692.54	32,942	3,032	3,036	0	0	0	0	3	3	0.67
21	696.19	35,275	2,333	2,336	0	0	0	0	3	3	0.67
22	698.61	36,884	1,609	1,609	0	0	0	0	0	0	0.53
23	699.53	37,507	623	624	0	0	0	0	1	1	0.14
24	700.07	37,875	369	370	0	0	0	0	2	2	0.01
25	700.39	38,095	219	221	0	0	0	0	1	1	0.11
26	700.70	38,308	213	215	0	0	0	0	2	2	0.09
27	701.03	38,536	228	229	0	0	0	0	1	1	0.03
28	701.18	38,640	104	161	0	56	0	0	2	58	0.00
29	701.25	38,688	49	129	0	79	0	0	1	80	0.00
30	701.33	38,744	56	114	0	57	0	0	2	59	0.20
31	701.38	38,779	35	94	0	57	0	0	2	59	0.00
Total				10,506	10,801	0	249	0	1	45	295
											5.11

1/ Total inflow from stream gaging station above Lang Canyon and accretions/depletions.

2/ Project water released to South Bay Aqueduct through Del Valle Pumping Plant.

3/ To East Bay Regional Park District.

NR=No Records

Table 14. Consolidated State-Federal O'Neill Forebay

Daily Operations

January 2010

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity 56,430 ac-ft

Date	Water Surface Elevation (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)				Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)	
				Pump In 1/	O'Neill Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	California Aqueduct	O'Neill Pumping Generating Plant (Generation)	Gianelli Pumping Generating Plant (Pumped)	Dos Amigos Pumping Plant	Deliveries 2/		
Dec 31	221.41	46,836											
1	221.81	47,887	1,051	0	873	0	3,565	0	3,358	509	1	-40	
2	221.52	47,125	-762	0	866	0	2,475	0	3,442	461	1	179	
3	221.10	46,023	-1,102	0	867	0	2,478	0	3,606	536	1	242	
4	221.75	47,730	1,707	0	853	0	3,793	0	3,254	767	1	237	
5	221.52	47,125	-605	0	827	0	4,404	0	5,011	412	1	-112	
6	221.16	46,180	-945	0	537	0	4,285	0	5,004	490	1	197	
7	219.83	42,712	-3,468	0	386	0	3,386	0	4,975	527	1	-17	
8	219.75	42,505	-207	0	400	0	3,749	0	3,848	553	1	149	
9	219.56	42,016	-489	0	431	0	3,306	0	3,305	579	1	-99	
10	219.89	42,867	851	0	440	0	3,594	0	3,305	534	1	235	
11	219.11	40,864	-2,003	0	432	0	3,165	0	4,064	529	1	-13	
12	219.14	40,940	76	0	525	0	3,403	0	3,610	415	1	136	
13	219.44	41,708	768	0	454	0	3,832	0	3,451	437	2	-9	
14	220.21	43,697	1,989	0	389	0	4,338	0	3,615	506	2	399	
15	221.03	45,839	2,142	0	407	0	4,739	0	3,618	700	2	254	
16	221.97	48,308	2,469	0	631	0	4,721	0	3,540	637	2	72	
17	220.63	44,792	-3,516	0	653	0	5,475	0	7,571	619	2	291	
18	221.36	46,705	1,913	0	741	0	4,616	0	4,465	102	2	176	
19	222.19	48,889	2,184	0	905	0	4,776	0	4,637	0	2	59	
20	223.35	51,982	3,093	0	934	0	4,954	0	4,637	0	2	310	
21	223.01	51,073	-909	0	1,654	0	4,575	0	6,920	0	2	235	
22	221.97	48,308	-2,765	0	1,952	0	532	0	3,921	0	2	45	
23	222.46	49,607	1,299	0	1,849	0	3,678	0	4,763	207	2	100	
24	220.19	43,645	-5,962	0	2,085	0	3,442	0	8,327	303	2	99	
25	219.98	43,100	-545	0	2,731	0	2,625	0	5,599	0	2	-30	
26	220.08	43,360	260	2	2,583	0	4,150	0	6,465	200	2	63	
27	219.72	42,428	-932	2	2,772	0	4,258	0	7,897	0	2	397	
28	219.50	41,862	-566	3	3,113	0	4,498	0	7,853	27	2	-17	
29	220.39	44,166	2,304	3	3,120	0	5,016	0	6,764	319	2	108	
30	221.38	46,758	2,592	3	3,174	0	5,322	0	6,822	321	2	-47	
31	220.81	45,263	-1,495	3	3,251	0	3,495	0	7,135	323	2	-43	
Total				-1,573	16	40,835	0	120,645	0	154,782	11,013	50	3,556
Mean cfs				---	1	1,317	0	3,892	0	4,993	355	2	115
Acre-feet				-1,573	31	80,995	0	239,300	0	307,015	21,841	100	7,057

1/ Pump-in located at Mile 79.67R.

2/ Includes 112 AF delivered to DFG at O'Neill Forebay, 1 AF to Parks & Rec., 1 AF to the Cattle Program and 46 AF to San Luis Water District.

Table 15. Consolidated State-Federal San Luis Reservoir

Daily Operations

January 2010

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity: 2,027,835 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)			Computed Losses (-) Gains (+) (cfs)
				Gianelli Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	Pacheco Tunnel 1/	Parks and Rec. Del.		
Dec 31	439.88	873,682							
1	440.50	879,620	5,938	3,358	0	156	0	-208	
2	441.16	885,955	6,335	3,442	0	156	0	-92	
3	441.80	892,113	6,158	3,606	0	159	0	-342	
4	442.45	898,382	6,269	3,254	0	166	0	73	
5	443.43	907,861	9,479	5,011	0	172	0	-60	
6	444.37	916,985	9,124	5,004	0	174	0	-230	
7	445.30	926,042	9,057	4,975	0	170	0	-239	
8	446.00	932,879	6,837	3,848	0	187	0	-214	
9	446.60	938,753	5,874	3,305	0	184	0	-160	
10	447.22	944,835	6,082	3,305	0	175	0	-64	
11	447.95	952,014	7,179	4,064	0	188	0	-257	
12	448.59	958,322	6,308	3,610	0	185	0	-245	
13	449.20	964,348	6,026	3,451	0	190	0	-223	
14	449.90	971,278	6,930	3,615	0	203	0	82	
15	450.50	977,231	5,953	3,618	0	192	0	-425	
16	451.20	984,192	6,961	3,540	0	177	0	146	
17	452.46	996,763	12,571	7,571	0	171	0	-1,062	
18	453.36	1,005,774	9,011	4,465	0	163	0	241	
19	454.29	1,015,114	9,340	4,637	0	58	0	130	
20	455.20	1,024,281	9,167	4,637	0	142	0	127	
21	456.55	1,037,931	13,650	6,920	0	51	0	13	
22	457.20	1,044,524	6,593	3,921	0	17	0	-580	
23	458.15	1,054,185	9,661	4,763	0	17	0	125	
24	459.70	1,070,010	15,825	8,327	0	17	0	-332	
25	460.73	1,080,569	10,559	5,599	0	16	0	-260	
26	461.76	1,091,161	10,592	6,465	0	20	0	-1,105	
27	463.20	1,106,027	14,866	7,897	0	84	0	-318	
28	464.61	1,120,646	14,619	7,853	0	21	0	-462	
29	465.84	1,133,450	12,804	6,764	0	23	0	-286	
30	467.08	1,146,405	12,955	6,822	0	22	0	-269	
31	468.36	1,159,828	13,423	7,135	0	35	0	-333	
Total			286,146	154,782	0	3,691	0	-6,829	
Mean cfs			---	4,993	0	119	0	-220	
Acre-feet			286,146	307,015	0	7,319	0	-13,550	

1/ Pacheco Tunnel, San Felipe Split; Santa Clara 12,307 AF, Casa De Fruta 0 AF, and San Benito 480 AF.

Table 16. San Luis Field Division Plant Data

(in acre-feet)

January 2010

Date	Dos Amigos Pumping Plant		Gianelli Pumping - Generating Plant				San Felipe Project
	Total Pumping	SWP Pumping 1/ 2/	Total Generation	SWP Generation 1/ 2/	Total Pumping	SWP Pumping 1/ 2/	Federal
1	1,009	659	0	0	6,661	5,260	309
2	914	566	0	0	6,828	5,426	309
3	1,063	726	0	0	7,153	5,760	316
4	1,521	1,176	0	0	6,454	5,061	329
5	817	475	0	0	9,940	8,550	341
6	972	620	0	0	9,925	8,537	345
7	1,045	698	0	0	9,868	8,489	337
8	1,096	1,096	0	0	7,633	7,633	370
9	1,148	1,148	0	0	6,555	6,555	365
10	1,059	1,059	0	0	6,555	5,520	348
11	1,049	1,049	0	0	8,061	8,061	372
12	824	824	0	0	7,160	7,160	367
13	866	866	0	0	6,846	6,500	377
14	1,004	1,004	0	0	7,170	6,140	403
15	1,389	1,389	0	0	7,177	6,146	381
16	1,264	1,264	0	0	7,022	5,988	351
17	1,228	1,228	0	0	15,017	10,844	340
18	203	203	0	0	8,856	7,490	323
19	0	0	0	0	9,198	8,175	115
20	0	0	0	0	9,198	9,198	281
21	0	0	0	0	13,726	10,345	101
22	0	0	0	0	7,777	4,662	34
23	410	410	0	0	9,448	6,393	34
24	601	601	0	0	16,517	8,561	34
25	0	0	0	0	11,106	7,636	31
26	397	397	0	0	12,823	7,372	39
27	0	0	0	0	15,664	8,679	167
28	53	53	0	0	15,576	8,627	41
29	633	633	0	0	13,416	10,824	45
30	636	636	0	0	13,532	10,824	44
31	640	640	0	0	14,153	5,017	70
Total	21,841	19,420	0	0	307,015	231,433	7,319

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

2/ Provisional, subject to change.

Table 17. Consolidated State-Federal Los Banos Reservoir

Daily Operations
January 2010

United States
Department of the Interior
Bureau of Reclamation
Central Valley Project

State of California
The Resources Agency
Department of Water Resources
State Water Project

Capacity 34,560 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
Dec 31	320.86	17,457					
1	320.86	17,457	0	0	0	0	0
2	320.86	17,457	0	0	0	0	0
3	320.86	17,457	0	0	0	0	0
4	320.86	17,457	0	0	0	0	0
5	320.85	17,453	-4	0	0	0	-4
6	320.84	17,448	-5	0	0	0	-5
7	320.84	17,448	0	0	0	0	0
8	320.83	17,444	-4	0	0	0	-4
9	320.84	17,448	4	2	0	0	0
10	320.83	17,444	-4	0	0	0	-4
11	320.85	17,453	9	5	0	0	-1
12	320.85	17,453	0	0	0	0	0
13	320.84	17,448	-5	0	0	0	-5
14	320.84	17,448	0	0	0	0	0
15	320.84	17,448	0	0	0	0	0
16	320.84	17,448	0	0	0	0	0
17	320.87	17,461	13	7	0	0	-1
18	320.89	17,470	9	5	0	0	-1
19	321.00	17,517	47	24	0	0	-1
20	322.64	18,230	713	359	0	0	1
21	323.55	18,633	403	203	0	0	0
22	324.48	19,049	416	210	0	0	-1
23	324.84	19,211	162	82	0	0	-1
24	325.00	19,284	73	37	0	0	0
25	325.10	19,329	45	23	0	0	-1
26	325.20	19,374	45	23	0	0	-1
27	325.43	19,479	105	53	0	0	0
28	325.56	19,538	59	30	0	0	-1
29	325.64	19,575	37	19	0	0	-1
30	325.69	19,598	23	12	0	0	-1
31	325.74	19,621	23	12	0	0	-1
Total			2,164	1,106	0	0	-30
Mean cfs			---	36	0	0	---
Acre-feet			2,164	2,194	0	0	-30

Table 18. Consolidated State-Federal Little Panoche Reservoir

Daily Operations

January 2010

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

Capacity: 5,580 ac-ft

State of California

The Resources Agency

Department of Water Resources

State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
Dec 31	598.20	597					
1	Not Observed						
2	Not Observed						
3	Not Observed						
4	Not Observed						
5	598.50	611	14	7	0	0	0
6	Not Observed						
7	Not Observed						
8	Not Observed						
9	Not Observed						
10	Not Observed						
11	Not Observed						
12	Not Observed						
13	598.40	606	-5	0	0	0	-5
14	Not Observed						
15	Not Observed						
16	Not Observed						
17	Not Observed						
18	Not Observed						
19	599.00	635	29	15	0	0	-1
20	Not Observed						
21	599.50	659	24	12	0	0	0
22	599.60	664	5	3	0	0	-1
23	599.70	669	5	3	0	0	-1
24	599.70	669	0	0	0	0	0
25	599.70	669	0	0	0	0	0
26	599.70	669	0	0	0	0	0
27	599.85	676	7	4	0	0	-1
28	599.78	673	-3	0	0	0	-3
29	Not Observed						
30	Not Observed						
31	599.78	673	0	0	0	0	0
Total			76	44	0	0	-11
Mean cfs			---	4	0	0	---
Acre-feet			76	87	0	0	-11

Table 19. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries

(In acre-feet)

January 2010

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries				
	Beginning and Ending		No.			USBR	Transfer	DWR Recreation	USBR Recreation	
			Structure	Mile						
2B	12	Check No. 12	66.71		239,300					
3A	San Luis Reservoir			Department of Parks and Recreation	0	7,094	225	0	0	
				San Felipe Division Santa Clara Water District	7,094					
				Casa de Fruta Santa Clara Water District	0					
				San Felipe Division San Benito Water District	225					
				Reach 3A Subtotal:	7,319					
3	O'Neill Forebay		70.85	Department of Parks and Recreation	0	7,319	0	0	0	
				Cattle Program	1					
				Department of Fish & Game	62					
			70.91 Thru 85.08	San Luis Water District	7	7	1/ 30	34	28	
				(Floodwater Inflow)	30					
				Reach 3 Subtotal:	100					
			Dos Amigos Pumping Plant	86.73	21,841					
4		14	89.03	San Luis Water District	264	264	0	0	0	
			Thru 94.06							
			89.66	Pacheco Water District	100		100	0	0	
			Thru 89.67							
			89.68	Panoche Water District	34		34	0	0	
		15	89.70	City of Dos Palos	60					
			Check No. 14	95.06						
			98.15	San Luis Water District	27		27	0	0	
			Thru 104.20							
			96.15	Panoche Water District	232		232	0	0	
			Thru 102.64							
			102.64	(Floodwater Inflow)	0					
			102.64	Broadview Water District	0					
			105.22	Westlands Water District	363		363	0	0	
			Thru 108.64							
			Check No.15	108.50						
				Reach 4 Subtotal:	1,080	1,080	0	0	0	
				San Felipe Division Total:	7,319	7,319	0	0	0	
				Pacheco Water District Total:	100	100	0	0	0	
				Broadview Water District Total:	0	0	0	0	0	
				City of Dos Palos Total:	60	60	0	0	0	
				SLWD Reach 4 Subtotal:	291	291	0	0	0	
				Panoche Water District Total:	266	266	0	0	0	
				SLWD Total:	298	298	0	0	0	
				Westlands WD Reach 4 Subtotal:	363	363	0	0	0	

1/ Pump-in Credit recovered by San Luis Water District.

Table 19. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries (Continued)

(In acre-feet)

January 2010

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries							
	Beginning and Ending		Mile			USBR	Transfer	DWR Recreation	USBR Recreation				
	No.	Structure											
5	16		110.52	(Reverse flow, Kings River)	0	288	116	0	0				
				Westlands Water District	288								
				Thru Dept. of Fish and Game @ Lat. 4L	0								
				122.05 Dept. of Fish and Game @ Lat. 6L	0								
				Dept. of Fish and Game @ Lat. 7L	0								
	17	Check No. 16	122.07			656	209	0	0				
			124.18	Westlands Water District	116								
			Thru 132.74										
		Check No. 17	132.95			1,603	0	0	0				
	18		133.81	Westlands Water District	656								
			Thru 142.61										
			Pleasant Valley Pumping Plant	Westlands Water District	334								
			143.16	City of Coalinga	209								
		Check No. 18	143.23										
6	19		145.26	Reach 5 Subtotal:	1,603	1,806	1/ 60	0	0				
				GWF Energy	0								
				City of Huron	0								
				SWP Construction @ Lat. 24R	0								
				Kings County to Lemoore NAS Through WWD	60								
				Kings County through WWD 30L	0								
				Westlands Water District	1,806								
		Check No. 19	155.64			1,806	60	0	0				
7	20		156.34	Reach 6 Subtotal:	1,866								
				City of Huron	59								
				SWP Construction @ Lat. 24R	0								
				Kings County through WWD 31L, 32L, 33L, 34L, 35L, 36L	0								
				Westlands Water District	329								
		Check No. 20	164.69			145	161	0	0				
	21		164.79	City of Avenal	161								
				167.04									
				Thru 171.67	Westlands Water District								
				172.40	14,055								
				Reach 7 Total:	694								
				SWP Construction Total:	0	4,037	0	0	0				
				Westlands WD Total:	4,037								
				City of Coalinga Total:	209								
				City of Huron Total:	59								
				Kings County to Lemoore NAS Through WWD	60								
				City of Avenal Total:	161								
				Total San Luis Field Division Deliveries:	12,662								

1/ From County of Kings to Westlands Water District.

Table 20. Consolidated State-Federal San Luis Canal 1/

Daily Operations
January 2010

United States
Department of the Interior
Bureau of Reclamation
Central Valley Project

State of California
The Resources Agency
Department of Water Resources
State Water Project

Date	Storage In Canal (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)
			Non-Project	Dos Amigos Pumping Plant	San Luis Water District Pools 14 & 15 2/	Panoche Water District Pools 14 & 15	Westlands Water District Pools 15 thru 21 3/	Flow Past Check 21	
Dec 31	27,909								
1	27,922	13	0	509	9	3	59	464	33
2	28,006	84	0	461	9	3	59	289	-59
3	28,498	492	0	536	11	3	59	198	-17
4	28,568	70	0	767	12	3	59	639	-18
5	28,470	-98	0	412	12	3	59	288	-99
6	28,469	-1	0	490	12	3	59	369	-48
7	28,348	-121	0	527	12	3	94	411	-68
8	28,383	35	0	553	11	3	94	384	-44
9	28,074	-309	0	579	11	3	94	646	20
10	28,027	-47	0	534	11	3	94	325	-125
11	28,260	233	0	529	11	4	94	187	-116
12	28,602	342	0	415	11	5	94	86	-47
13	28,608	6	0	437	11	5	94	258	-66
14	28,058	-550	0	506	11	5	69	249	-450
15	27,907	-151	0	700	3	5	69	493	-206
16	28,002	95	0	637	3	5	69	363	-149
17	28,209	207	0	619	3	5	69	397	-40
18	28,260	51	0	102	3	5	69	64	65
19	28,138	-122	24	0	3	5	69	58	49
20	28,276	138	138	0	3	5	69	21	30
21	28,391	115	156	0	3	5	62	18	-10
22	28,367	-24	77	0	4	5	62	22	4
23	28,524	157	29	207	4	5	62	91	5
24	28,727	203	6	303	4	5	62	143	8
25	28,508	-219	0	0	4	5	62	32	-8
26	28,465	-43	0	200	4	5	62	149	-2
27	28,107	-358	0	0	4	5	62	75	-35
28	27,828	-279	0	27	4	5	84	54	-20
29	28,100	272	0	319	8	5	89	29	-51
30	28,277	177	0	321	8	5	90	120	-8
31	28,427	150	0	323	8	5	90	164	19
Total		518	430	11,013	227	134	2,282	7,086	-1,453
Mean cfs		---	14	355	7	4	74	229	-47
Acre-feet		518	853	21,841	451	266	4,526	14,055	-2,878

1/ San Luis Canal includes Pools 14 through 21 of the California Aqueduct.

2/ Includes 100 AF to Pacheco W.D., 60 AF to the City of Dos Palos and 291 AF to San Luis Water District.

3/ Includes 59 AF to the City of Huron, 161 AF to the City of Avenal, 209 AF to the City of Coalinga, 0 AF to City of Huron P&R @ 22R, 60 AF to Lemoore N.A.S. @ 29L, 0 AF to GWF @ 30L, 0 AF to Kings County @ 30L, 0 AF to Broadview WD @ 3L, 0 AF to DFG @ 4L, 0 AF Mendota Water Fowl Habitat Area @ 6L, 0 AF DWR Water Truck @ 22R, 0 AF DFG @ 7L, 0 AF Non-Project Water, 3,703 AF to Westlands Water District, and 334 AF to Pleasant Valley Pumping Plant.

Table 21. San Joaquin Field Division Plant Data

(in acre-feet)

January 2010

23

Date	Coastal Aqueduct					California Aqueduct			
	Las Perillas Pumping Plant	Badger Hill Pumping Plant	Devil's Den Pumping Plant	Bluestone Pumping Plant	Polonio Pass Pumping Plant	Buena Vista Pumping Plant	Teerink Pumping Plant	Chrisman Pumping Plant	Edmonston Pumping Plant
1	32	36	37	33	37	1,430	1,849	1,799	1,846
2	17	27	15	12	15	1,568	2,077	1,992	2,078
3	71	78	52	46	53	1,596	1,875	1,802	1,855
4	22	22	21	20	22	2,019	2,571	2,414	2,536
5	53	64	38	34	39	1,464	1,880	1,610	1,871
6	37	37	26	23	28	1,799	2,174	2,115	2,152
7	56	60	38	35	40	1,837	2,354	2,213	2,253
8	48	52	33	29	35	1,566	2,034	1,964	2,005
9	59	85	41	37	43	1,697	2,067	1,996	2,032
10	71	67	32	31	34	1,593	2,004	1,939	1,975
11	30	34	18	15	19	1,613	1,962	1,890	1,904
12	39	44	21	19	23	1,054	1,276	1,297	1,342
13	45	57	28	27	30	1,395	1,781	1,728	1,740
14	46	53	21	18	21	1,786	2,149	2,092	2,144
15	21	27	12	10	11	2,087	2,248	2,191	2,226
16	56	63	25	23	26	1,704	2,220	2,248	2,256
17	34	38	23	20	23	1,600	1,981	1,993	2,070
18	35	41	23	21	24	813	1,096	1,036	1,069
19	6	8	24	22	26	851	1,134	1,096	1,075
20	1	13	22	21	23	807	1,051	1,036	1,091
21	26	28	33	30	34	1,239	1,601	1,569	1,626
22	19	21	20	17	19	1,469	1,758	1,747	1,765
23	18	21	22	20	23	1,522	1,939	1,811	1,887
24	40	44	25	22	26	1,517	1,846	1,857	1,898
25	38	45	30	28	31	1,574	1,989	1,881	1,890
26	11	12	15	13	15	1,410	1,954	1,851	1,893
27	38	42	32	28	32	1,412	1,811	1,835	1,890
28	30	37	35	30	34	1,459	1,845	1,835	1,893
29	32	34	28	26	30	1,415	1,703	1,689	1,740
30	25	28	15	13	16	1,260	1,731	1,695	1,765
31	88	106	43	40	45	1,548	2,009	1,986	2,029
Total	1,145	1,324	848	763	877	46,104	57,968	56,207	57,795

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries

(In acre-feet)

January 2010

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries								
	Beginning and Ending		Mile			Table A	USBR	Pump Recovery	Kern Water Bank Recovery	Carryover Article 56C				
	No.	Structure												
7	21	Check No. 21	172.40		14,055									
8C	22			Empire West Side ID TL - A	0									
				172.66	0									
				County of Kings TL - A	0									
				Tulare Lake Basin WSD TL-A	0									
				175.18	Dudley Ridge WD - 1									
				177.54	Dudley Ridge WD - 1B		33			33				
				180.64	Tulare Lake Basin WSD - C									
				180.65	Dudley Ridge WD - 1A									
				182.99	Dudley Ridge WD - 2		64			64				
				183.00	Tulare Lake Basin WSD TL - B									
8D					County of Kings TL-B									
					184.00	Dudley Ridge WD - Paramount								
31A	8D			184.63	Coastal Branch	1,145								
31A				184.78	Dudley Ridge WD - 3	12								
					Dudley Ridge Reach 8D Total:	109	0	0	109	0				
8D					Tulare Lake Basin WSD Total:	0	0	0	0	0				
					Check No. 22	184.82								
9	23			189.69	Kern County Water Agency Lost Hills Water Dist. - 1	28								
				191.18	Kern County Water Agency Lost Hills Water Dist. - 2	0								
				194.22	Kern County Water Agency Lost Hills Water Dist. - 3	0								
				196.40	Kern County Water Agency Berrenda Mesa - 2	178								
				196.75	Kern County Water Agency Lost Hills Water Dist. - 4	0								
					KCWA Reach 9 Subtotal:	206		206	0	0				
					Check No. 23	197.05								
10A	24			201.24	Kern County Water Agency Lost Hills Water Dist. - 7	72								
				202.05	Kern County Water Agency Lost Hills Water Dist. - 5	42								
				204.69	Kern County Water Agency Lost Hills Water Dist. - 6	0								
				205.26	Kern County Water Agency Lost Hills Water Dist. - 8	0								
				Check No. 24	207.94									
				25	209.71	Kern County Water Agency Belridge Water Storage Dist. - 1A	1,204	1,204	72	42				
					209.78	Kern National Wildlife Refuge USBR BV-1B								
						Kern County Water Agency Buena Vista WSD 1B								
						KCWA Semitropic WSD								
					209.80	KCWA Semitropic WSD Penstocks								
						USBR Total:	1,204	0	1,204	0				
						KCWA Reach 10A Subtotal:	114	0	0	0				

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

January 2010

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Table A	USBR	Pump Recovery	Kern Water Bank Recovery	Carryover Article 56C		
	No.	Structure	Mile									
11B	25		210.75	Kern County Water Agency Belridge - 2	0			211				
			214.11	Kern County Water Agency Belridge - 3	0							
			216.62	Kern County Water Agency Belridge - 4	0							
			217.13	Kern County Water Agency Belridge - 5A-C	211							
				Kern County Water Agency Belridge - 5D	104							
		Check No. 25	217.79									
				KCWA Reach 11B Subtotal:	315	0	0	315	0	0		
12D	26		219.58	Kern County Water Agency Belridge - 6	0			324				
				Kern County Water Agency West Kern - 3	324							
		Check No. 26	224.92									
12E	27		230.37	Kern County Water Agency Buena Vista - 6	0							
			Check No. 27	231.73								
			235.75	Kern County Water Agency Buena Vista - 2	0							
			238.04	Kern County WA CVC	0							
				DRWD CVC	0							
				Tulare Co.	0							
				Lower Tule River	0							
				Fresno Co.	0							
				Pixley ID	0							
				Hacienda								
				DWR Wells	0							
		Check No. 28	238.11									
				1/ Arvin Edison Total:	0	0	0	0	0	0		
				Reach 12E Subtotal:	0	0	0	0	0	0		
13B	29		238.19	Kern Water Bank Inflow	0							
			241.02	Kern Water Bank Outflow	0							
				Kern River Intertie (inflow)	0							
				KCWA Buena Vista WSD - 7	0							
				KCWA Buena Vista WSD - 5	0							
			243.09	Kern County Water Agency Buena Vista - 3	0							
			Check No. 29	244.54								
	30		249.85	Kern County Water Agency Buena Vista - 4	0							
			250.99		46,104							
				KCWA Reach 13B Subtotal:	0	0	0	0	0	0		
14A	31		254.47	Kern County Water Agency West Kern - 2	0							
			256.11	Kern County Water Agency Wheeler Ridge-Maricopa - 2	0							

1/ Arvin Edison Contractors include Rag Gulch WD, Kern-Tulare WD, Fresno County, Hills Valley ID, Tri Valley WD, Tulare County, Lower Tule River ID, and Pixley ID.

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

January 2010

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries				
	Beginning and Ending		No.	Structure	Mile	Table A	USBR	Pump Recovery	Kern Water Bank Recovery	Carryover Article 56C
	No.	Structure							Kern Water Bank Recovery	
14A	31	Check No. 31	256.14						18	
	32		258.61	Kern County Water Agency Wheeler Ridge-Maricopa - 3	18					
			260.44	Kern County Water Agency Wheeler Ridge-Maricopa - 4	36					
		Check No. 32	261.72							
			KCWA Reach 14A Subtotal:	54		0	0	54	0	0
14B	33		264.42	Kern County Water Agency Wheeler Ridge-Maricopa - 5	149				149	
			266.91	Kern County Water Agency Wheeler Ridge-Maricopa - 6	21					
		Check No. 33	267.36							
	34		270.24	Kern County Water Agency Wheeler Ridge-Maricopa - 7	99					
			Check No. 34	271.27						
			Reach 14B Total:	269		0	0	269	0	0
14C	35		272.39	Kern County Water Agency Wheeler Ridge-Maricopa - 8	153				153	
			276.09	Kern County Water Agency Wheeler Ridge-Maricopa - 9	80					
			277.30	Kern County Water Agency Arvin-Edison WSD	0					
			Reach 14C Total:	233		0	0	233	0	0
	Teerink Pumping Plant	278.13		57,968						
15A	36		279.02	Kern County Water Agency Wheeler Ridge-Maricopa - 9A	0				14	
			280.06	Kern County Water Agency Wheeler Ridge-Maricopa - 10	14					
			Reach 15A Total:	14		0	0	14	0	0
	Chrismen Pumping Plant	280.36		56,207						
	37		282.06	Kern County Water Agency Wheeler Ridge-Maricopa - 11	0					
		Check No. 37	283.95							
16A	38		285.01	Kern County Water Agency Wheeler Ridge-Maricopa - 12	11				11	
			286.39	Kern County Water Agency Wheeler Ridge-Maricopa - 13A	1					
			287.06	Kern County Water Agency Wheeler Ridge-Maricopa - 13	0					
		Check No. 38	287.09							
		287.62	Kern County Water Agency Wheeler Ridge-Maricopa - 13B	0						
	39		290.21							
			291.26	Kern County Water Agency Wheeler Ridge-Maricopa - 14	264				264	
			293.07	Kern County Water Agency Wheeler Ridge-Maricopa - 15	6					
				Kern County Water Agency Tehachapi Cummings CWD	0					
			KCWA Reach 16A Subtotal:	282		0	0	282	0	0
17E	Edmonston Pumping Plant	293.45		57,795						

Table 23. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Coastal Branch)

(In acre-feet)

January 2010

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		No.			Table A	USBR	Pump Recovery	Kern Water Bank Recovery	Carryover Article 56C	
	No.	Structure	Mile								
31A	C-1	Coastal Branch Control	0.02		1,145						
		Las Perillas Pumping Plant	1.16		1,145						
	C-2		3.79	Green Valley Water District	0						
		Badger Hill Pumping Plant	4.27		1,324						
	C-3	Coastal Check No. 3	7.21								
	C-4		9.34	Castaic Lake WA (Devil's Den WD #1)	0						
		Coastal Check No. 4	9.34								
	C-5	Coastal Check No. 5	12.20								
	C-6		13.30	Kern County Water Agency Berrenda Mesa - 3	0						
			14.83	Kern County Water Agency Berrenda Mesa - 1	308				308		
				Kern County Water Agency Berrenda Mesa - PO	0						
		Devil's Den Pumping Plant	14.86		848						
				KCWA Reach 31A Subtotal:	308	0	0	308	0	0	
				KCWA Total:	2,119	0	0	2,119	0	0	
33A	C-7	Bluestone Pumping Plant	19.05		763						
	C-8	Polonio Pass Pumping Plant	26.54		877						
	C-9	Tank Site 1	27.81	(CCWA) Polonio Pass Treatment Plant	0						
	C-10	Shandon T.O.	38.23	Santa Barbara County (CCWA)	631					631	
	C-11	Tank Site 2	58.63	Central Coast:	0					225	
34	Chorro Valley T.O.	69.31	San Luis Obispo County (CCWA)		225						
	Energy Dissipater	78.12									
	Lopez T.O.	85.86	SLOCFC & WCD		0						
35			CCWA Total:		856	0	0	0	0	856	
	Guadalupe T.O.	102.70	SBCFC & WCD		0						
	Santa Maria T.O.	107.43	SBCFC & WCD		0						
	So. Cal. Water T.O.	109.20	SBCFC & WCD		0						
38			SBCFC & WCD Total:		0	0	0	0	0	0	
	Tank Site 5	115.42									

Table 24. Southern Field Division Plant Data

(in acre-feet)

January 2010

Date	West Branch						East Branch								East Branch Extension			
	Oso Pumping Plant	Warne Powerplant			Castaic Powerplant		Alamo Powerplant			Pearblossom Pumping Plant	Mojave Siphon Powerplant			Devil Canyon Powerplant Generation	Green Spot	Crafton Hills	Cherry Valley	
		Generation	Leakage	Gorman Crk. Improvement Channel	Generation 1/	Pumpback 1/	Bypass Through Plant	Tehachapi Afterbay Bypass	Generation	Leakage	Bypass Flume							
1	1,713	1,065	0	992	1,288	0	0	0	0	0	0	17	0	288	0	0	0	
2	2,074	1,056	0	992	1,190	996	0	0	0	0	0	10	0	284	31	23	0	
3	1,539	1,047	0	992	2,051	709	299	0	0	1,762	0	17	0	281	0	0	0	
4	2,395	1,050	0	992	2,618	596	247	0	0	0	0	17	0	281	31	24	11	
5	1,818	1,049	0	873	2,691	645	38	0	0	69	0	17	0	393	56	50	27	
6	2,066	1,048	0	873	2,882	762	0	0	0	0	0	17	0	409	59	0	28	
7	2,166	1,053	0	992	3,799	512	0	0	0	0	0	0	0	485	52	47	17	
8	1,868	1,048	0	992	3,086	0	0	0	149	0	0	17	0	344	17	15	17	
9	1,873	811	0	992	487	781	0	0	0	132	23	0	16	0	444	27	27	16
10	1,937	1,048	0	992	724	665	0	0	0	0	0	18	0	470	27	27	16	
11	1,883	1,045	0	992	2,885	569	0	0	0	0	0	16	0	450	26	25	16	
12	1,324	351	0	992	2,355	0	0	0	0	0	0	18	0	510	51	51	18	
13	1,697	330	0	992	2,746	0	0	0	0	0	0	17	0	710	54	54	18	
14	2,065	1,051	0	992	2,632	0	0	0	0	248	0	0	17	0	545	40	41	17
15	1,749	1,051	0	992	2,647	0	0	0	0	149	0	0	18	0	892	24	24	16
16	1,901	1,047	0	992	112	0	0	0	0	331	0	0	18	0	828	27	27	17
17	2,006	1,047	0	992	616	535	0	0	0	0	0	0	19	0	784	27	27	16
18	1,009	1,053	0	0	573	648	0	0	0	0	0	0	18	0	961	26	27	15
19	1,039	1,054	0	0	304	0	0	0	0	0	0	0	19	0	1,075	51	51	12
20	1,055	1,052	0	0	2,435	0	0	0	0	0	0	0	18	0	1,235	38	39	17
21	1,056	1,053	0	0	752	1,054	0	0	0	707	648	257	0	0	747	22	22	17
22	1,708	1,053	0	0	646	0	0	0	0	0	67	537	0	0	746	33	34	16
23	1,160	1,048	0	0	1,420	0	0	0	0	661	670	354	0	0	813	21	21	14
24	1,078	1,048	0	0	1,159	0	0	0	0	793	755	758	0	0	804	28	28	14
25	1,102	1,052	0	0	1,272	450	0	0	0	628	768	755	0	0	846	51	50	13
26	1,034	1,049	0	0	1,798	0	0	0	0	595	767	592	0	0	573	15	15	13
27	1,065	1,051	0	0	1,123	0	0	0	0	446	778	740	0	0	797	19	19	11
28	1,120	818	0	0	1,702	0	0	0	0	595	764	789	0	0	880	40	41	11
29	1,070	1,051	0	0	1,279	0	0	0	0	545	675	992	0	0	659	38	38	12
30	1,182	1,052	0	0	275	0	0	0	0	477	675	688	0	0	934	18	19	12
31	838	1,053	0	0	974	0	0	0	0	665	759	718	0	0	615	20	20	12
Total	47,590	30,684	0	16,626	50,521	8,922	584	0	7,121	9,180	7,180	324	0	20,083	969	886	439	

1/ Values supplied by LADWP, not verified by DWR.

Table 25. Pyramid Lake
Daily Operation

Capacity: 171,200 ac-ft

(in acre-feet except as noted)

January 2010

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow				Computed Losses (-) And Gains (+)		
				Project		Natural	Project		To Piru Creek				
				Castaic Powerplant Pumpback 1/	Warne Power-plant		Gorman Creek Improv. Channel	Stream Flow	Castaic Powerplant Generation 1/	Recrea-tion Deliveries	Natural		
Dec 31	2572.85	163,338											
1	2573.34	163,955	617	0	1,065	992	23	1,288	0	28	0	-147	
2	2574.65	165,612	1,657	996	1,056	992	23	1,190	0	28	0	-192	
3	2575.05	166,120	508	709	1,047	992	22	2,051	0	28	0	-183	
4	2574.85	165,866	-254	596	1,050	992	23	2,618	0	28	0	-269	
5	2574.79	165,790	-76	645	1,049	873	24	2,691	0	28	0	52	
6	2574.53	165,460	-330	762	1,048	873	24	2,882	0	28	0	-127	
7	2573.53	164,194	-1,266	512	1,053	992	24	3,799	0	40	0	-8	
8	2572.62	163,048	-1,146	0	1,048	992	24	3,086	0	50	0	-74	
9	2574.26	165,118	2,070	781	811	992	22	487	0	61	0	12	
10	2575.82	167,102	1,984	665	1,048	992	21	724	0	61	0	43	
11	2575.56	166,770	-332	569	1,045	992	22	2,885	0	61	0	-14	
12	2574.70	165,676	-1,094	0	351	992	21	2,355	0	61	0	-42	
13	2573.76	164,485	-1,191	0	330	992	22	2,746	0	61	0	272	
14	2573.00	163,526	-959	0	1,051	992	22	2,632	1	61	0	-330	
15	2572.37	162,734	-792	0	1,051	992	22	2,647	0	61	0	-149	
16	2573.93	164,700	1,966	0	1,047	992	21	112	0	61	0	79	
17	2575.47	166,655	1,955	535	1,047	992	21	616	0	61	0	37	
18	2576.42	167,869	1,214	648	1,053	0	242	573	0	198	0	42	
19	2576.88	168,459	590	0	1,054	0	396	304	0	506	0	-50	
20	2575.68	166,923	-1,536	0	1,052	0	314	2,435	0	793	0	326	
21	2576.86	168,434	1,511	1,054	1,053	0	279	752	0	595	0	472	
22	2577.10	168,742	308	0	1,053	0	257	646	0	260	0	-96	
23	2576.75	168,292	-450	0	1,048	0	151	1,420	0	198	0	-31	
24	2576.63	168,138	-154	0	1,048	0	116	1,159	0	149	0	-10	
25	2576.74	168,280	142	450	1,052	0	113	1,272	0	130	0	-71	
26	2575.89	167,191	-1,089	0	1,049	0	105	1,798	0	130	0	-315	
27	2575.90	167,204	13	0	1,051	0	109	1,123	0	150	0	126	
28	2575.04	166,103	-1,101	0	818	0	145	1,702	0	150	0	-212	
29	2574.85	165,866	-237	0	1,051	0	147	1,279	0	150	0	-6	
30	2575.51	166,706	840	0	1,052	0	145	275	0	150	0	68	
31	2575.56	166,770	64	0	1,053	0	145	974	0	151	0	-9	
Total				3,432	8,922	30,684	16,626	3,045	50,521	1	4,517	0	-806

1/ Values supplied by LADWP, not verified by DWR.

Table 26. Elderberry Forebay

Daily Operation

(in acre-feet except as noted)

Capacity: 32,476 ac-ft

January 2010

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow			Computed Losses (-) And Gains (+)	
				Castaic Powerplant Generation 1/	Natural	Castaic Powerplant Pumpback 1/	To Castaic Lake			
							Natural	Project 1/		
Dec 31	1510.54	19,393								
1	1508.10	18,460	-933	1,288	0	0	0	2,221	0	
2	1508.55	18,631	171	1,190	0	996	0	0	-23	
3	1512.13	20,013	1,382	2,051	0	709	0	0	40	
4	1516.98	21,972	1,959	2,618	0	596	0	0	-63	
5	1515.99	21,564	-408	2,691	0	645	0	2,456	2	
6	1511.21	19,653	-1,911	2,882	0	762	0	4,088	57	
7	1511.23	19,661	8	3,799	0	512	0	3,302	23	
8	1512.38	20,112	451	3,086	0	0	0	2,586	-49	
9	1511.61	19,809	-303	487	0	781	0	0	-9	
10	1511.63	19,817	8	724	0	665	0	0	-51	
11	1517.19	22,059	2,242	2,885	0	569	0	0	-74	
12	1515.80	21,486	-573	2,355	0	0	0	2,929	1	
13	1512.18	20,033	-1,453	2,746	0	0	0	4,239	40	
14	1509.73	19,080	-953	2,632	0	0	0	3,602	17	
15	1510.24	19,277	197	2,647	0	0	0	2,355	-95	
16	1510.57	19,404	127	112	0	0	0	0	15	
17	1510.71	19,458	54	616	0	535	0	0	-27	
18	1510.77	19,482	24	573	47	648	47	0	99	
19	1511.81	19,887	405	304	118	0	118	0	101	
20	1512.59	20,195	308	2,435	288	0	288	1,751	-376	
21	1506.33	17,799	-2,396	752	445	1,054	445	1,884	-210	
22	1508.92	18,771	972	646	343	0	343	0	326	
23	1512.65	20,218	1,447	1,420	142	0	142	0	27	
24	1515.68	21,437	1,219	1,159	92	0	92	0	60	
25	1512.93	20,329	-1,108	1,272	67	450	67	1,323	-607	
26	1508.77	18,714	-1,615	1,798	43	0	43	3,429	16	
27	1505.91	17,644	-1,070	1,123	34	0	34	2,146	-47	
28	1505.55	17,511	-133	1,702	30	0	30	1,745	-90	
29	1508.99	18,798	1,287	1,279	26	0	26	0	8	
30	1509.77	19,096	298	275	24	0	24	0	23	
31	1512.24	20,056	960	974	22	0	22	0	-14	
Total				663	50,521	1,721	8,922	1,721	40,056	
1/ Values supplied by LADWP, not verified by DWR.										

Table 27. Castaic Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 323,699 ac-ft

January 2010

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow		Computed Losses (-) And Gains (+)	
				From Elderberry Forebay 1/		Natural	Deliveries		
				Natural	Project				
Dec 31	1483.73	258,160							
1	1484.45	259,576	1,416	0	2,221	5	798	10 -2	
2	1483.90	258,494	-1,082	0	0	5	1,012	10 -65	
3	1483.33	257,376	-1,118	0	0	5	1,200	10 87	
4	1482.74	256,221	-1,155	0	0	4	1,135	10 -14	
5	1483.41	257,532	1,311	0	2,456	4	1,234	10 95	
6	1484.77	260,207	2,675	0	4,088	5	1,325	10 -83	
7	1485.77	262,183	1,976	0	3,302	5	1,309	10 -12	
8	1486.34	263,312	1,129	0	2,586	5	1,295	10 -157	
9	1485.70	262,044	-1,268	0	0	5	1,337	10 74	
10	1485.02	260,700	-1,344	0	0	4	1,266	10 -72	
11	1484.34	259,359	-1,341	0	0	3	1,348	10 14	
12	1485.21	261,075	1,716	0	2,929	3	1,355	10 149	
13	1486.66	263,948	2,873	0	4,239	3	1,242	10 -117	
14	1487.93	266,479	2,531	0	3,602	3	1,149	10 85	
15	1488.46	267,539	1,060	0	2,355	2	1,194	10 -93	
16	1487.86	266,339	-1,200	0	0	2	1,208	10 16	
17	1487.30	265,222	-1,117	0	0	2	1,202	10 93	
18	1486.86	264,346	-876	47	0	90	1,154	10 151	
19	1486.22	263,074	-1,272	118	0	88	1,554	10 86	
20	1486.77	264,167	1,093	288	1,751	283	1,801	10 582	
21	1487.50	265,620	1,453	445	1,884	405	1,477	10 206	
22	1487.09	264,803	-817	343	0	345	1,206	10 -289	
23	1486.38	263,392	-1,411	142	0	138	1,236	10 -445	
24	1485.78	262,202	-1,190	92	0	74	1,276	10 -70	
25	1486.09	262,817	615	67	1,323	56	1,436	10 615	
26	1487.09	264,803	1,986	43	3,429	46	1,477	8 -47	
27	1487.53	265,680	877	34	2,146	38	1,272	8 -61	
28	1487.82	266,259	579	30	1,745	30	1,372	8 154	
29	1487.26	265,142	-1,117	26	0	28	1,198	8 35	
30	1486.78	264,187	-955	24	0	25	989	8 -7	
31	1486.38	263,392	-795	21	0	21	920	8 91	
Total				5,232	1,720	40,056	1,732	38,977	
								298 999	

1/ Values supplied by LADWP, not verified by DWR.

Table 28. Governor Edmund G. Brown California Aqueduct
 Southern Field Division, Monthly Deliveries (West Branch)

(In acre-feet)

January 2010

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries							
	Beginning and Ending					Table A	Rec.	Flexible Withdrawal	Local	Article 56C/12E	Other		
	No.	Structure	Mile										
29A	42	Oso Pumping Plant	1.49		47,590								
29F	W2	Quail Lake	5.02	Antelope Valley-East Kern Water Agency	Re-moved		1	23,792	0	574	14,602		
		Quail Lake Embankment	7.82	Antelope Valley-East Kern Water Agency	Stub								
29G		Warne Power Plant	14.07	(16,626 AF of flow through Gorman Creek Imp. Channel)		30,684							
29H	W3	Pyramid Lake		USFS			9	23,792	0	574	14,602		
				Pyramid Recreation (T300)	1								
				United WA (T300)	0								
		Pyramid Dam	17.10	California State Park Piru Fish (T300)	0								
29J	W4	Castaic Power Plant	25.82	(8,922 AF pumpback) 2/	50,521		9	23,792	0	574	14,602		
		Elderberry Forebay											
		Forebay Dam	28.12										
		Castaic Lake		California State Park									
30 1/	W5	Castaic Dam	31.47	Castaic Lake Recreation (T301)	9		9	23,792	0	574	14,602		
		Castaic Lake Outlet	31.55	MWDSC 78" & 132" (T302)	37,294								
				Castaic Lake WA 18", 24" & 54" (T303)	1,268								
				Castaic Lake WA Rio Vista T.P. (T304)	406								
				MWD-Ventura Co. WPD (T302)	0								
				Releases to Lagoon	298								
				Reach 30 Subtotal:	38,977								
	W6	Castaic Lagoon		California State Park Recreation to Lagoon (T353)	0		9	23,792	0	574	14,602		
		Castaic Lagoon Outlet	31.87		186								

1/ Reach 30 actually terminates at mile 31.50. It is shown here as including the outlet works at mile 31.55.

All deliveries from the outlet works and from the Lagoon are billed to Reach 30.

2/ Value Supplied by LADWP, not verified by DWR.

3/ Includes 2,874 AF of MWD banked water recovered in San Luis, 697 AF of Kern-Delta Recovery Exchange, and 9,931 AF of Arvin Edison Recovery.

4/ Article 56C.

5/ Recovery of Castaic banked water in San Luis.

Table 29. Silverwood Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 74,970 ac-ft

January 2010

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow				Computed Losses (-) And Gains (+)	Las Flores Ranch Exchange 1/
				Mojave Siphon Power-plant	Mojave Bypass Flume	Natural Stream Flow	Project		Del. To Mojave W.A.	Natural To Mojave River		
Dec 31	3350.00	70,176										
1	3349.66	69,857	-319	0	17	5	4	0	288	0	1	-48
2	3349.43	69,641	-216	0	10	5	4	0	284	0	1	58
3	3349.07	69,304	-337	0	17	5	5	0	281	0	1	-72
4	3348.68	68,940	-364	0	17	5	3	0	281	0	1	-101
5	3348.37	68,651	-289	0	17	5	4	0	393	0	1	87
6	3347.92	68,233	-418	0	17	5	4	0	409	0	1	-26
7	3347.44	67,789	-444	0	0	5	5	0	485	0	1	42
8	3347.08	67,457	-332	0	17	5	4	0	344	0	1	-5
9	3346.63	67,043	-414	0	16	4	4	0	444	0	1	15
10	3346.12	66,575	-468	0	18	4	4	0	470	0	1	-15
11	3345.64	66,137	-438	0	16	4	3	0	450	0	1	-4
12	3345.11	65,654	-483	0	18	4	4	0	510	0	1	10
13	3344.21	64,840	-814	0	17	4	4	0	710	0	53	-68
14	3343.42	64,129	-711	0	17	4	3	0	545	0	80	-104
15	3342.44	63,253	-876	0	18	5	4	0	892	0	81	78
16	3341.40	62,331	-922	0	18	5	5	0	828	0	81	-31
17	3340.79	61,793	-538	0	19	5	3	0	784	0	81	306
18	3339.83	60,952	-841	0	18	289	3	1	961	0	81	-102
19	3338.85	60,100	-852	0	19	112	1	0	1,075	0	79	172
20	3338.06	59,417	-683	0	18	281	0	0	1,235	0	79	332
21	3339.10	60,316	899	257	0	1,328	0	0	747	0	129	190
22	3339.61	60,760	444	537	0	703	0	0	746	0	159	109
23	3339.21	60,412	-348	354	0	264	0	0	813	0	159	6
24	3339.16	60,369	-43	758	0	174	10	1	804	0	105	-55
25	3339.18	60,386	17	755	0	136	1	0	846	0	80	53
26	3339.24	60,438	52	592	0	134	8	0	573	0	80	-13
27	3339.18	60,386	-52	740	0	154	4	0	797	0	82	-63
28	3339.13	60,342	-44	789	0	126	4	0	880	0	85	10
29	3339.66	60,804	462	992	0	99	4	0	659	0	84	118
30	3339.32	60,508	-296	688	0	83	4	0	934	0	83	-46
31	3339.49	60,656	148	718	0	70	4	0	615	0	34	13
Total				-9,520	7,180	324	4,032	109	2	20,083	0	1,709
											847	104

1/ Project water delivered from Mojave Siphon in exchange for like amount of natural stream flow.

Table 30. Lake Perris

Daily Operation

(in acre-feet except as noted)

Capacity: 131,452 ac-ft

January 2010

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow 1/	Outflow 2/	Computed Losses (-) Gains (+) 1/
Dec 31	1557.20	63,927				
1	1557.25	64,015	88		65	
2	1557.06	63,681	-334		65	
3	1557.01	63,594	-87		65	
4	1556.98	63,541	-53		65	
5	1557.01	63,594	53		60	
6	1556.95	63,489	-105		60	
7	1556.81	63,244	-245		60	
8	1556.84	63,297	53		60	
9	1556.84	63,297	0		60	
10	1556.68	63,018	-279		66	
11	1556.59	62,861	-157		92	
12	1556.54	62,774	-87		73	
13	1556.62	62,913	139		74	
14	1556.62	62,913	0		74	
15	1556.51	62,722	-191		74	
16	1556.43	62,583	-139		75	
17	1556.62	62,913	330		55	
18	1556.73	63,105	192		68	
19	1556.84	63,297	192		56	
20	1556.96	63,506	209		60	
21	1557.10	63,752	246		62	
22	1557.34	64,173	421		58	
23	1557.31	64,120	-53		57	
24	1557.25	64,015	-105		65	
25	1557.17	63,874	-141		65	
26	1557.25	64,015	141		65	
27	1557.25	64,015	0		55	
28	1557.14	63,822	-193		65	
29	1557.17	63,874	52		65	
30	1557.14	63,822	-52		55	
31	1557.03	63,629	-193		55	
Total			-298	1,577	1,994	119

1/ Readings are not taken on a daily basis. End of month only.

2/ Includes deliveries to MWD from Reach 28J and recreation water to California State Park at Lake Perris.

Table 31. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (East Branch)

(In acre-feet)

January 2010

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries						
	Beginning and Ending				Table A	Rec.	Flexible Withdrawal	Local	Article 56C/12E	Other	
	No.	Structure	Mile								
17E	40	Edmonston Pumping Plant	293.45	57,795							
	41		298.65		KCWA Tej.-Cas	Stub					
17F		Check No. 41	303.41								
18A	42		304.99	AVEK WA-Temp for TEA construction (T389)	0						
		Check No. 42	304.99								
	43	Alamo Powerplant	305.73	(Includes 584 AF generation, 0 AF plant bypass, and 7,121 AF Tehachapi Bypass)	7,705						
			306.71	AVEK 305th Street West (T287)	0						
19			308.05	AVEK 294th Street West (T267)	0						
		Check No. 43	309.70								
	44		311.84	LADWP Connection	0						
			313.50	AVEK 245th Street West (T269)	0						
	Check No. 44		314.81								
	45		314.93	AVEK 235th Street West (T270)	0						
			315.57	AVEK 225th Street West (T271)	0						
	Check No. 45		319.74								
	46		323.19	Antelope Valley-East Kern WA Fairmont (T272)	351	13	0	0	351	0	
				Mojave Water Agency Fairmont (T272)	13						
	Check No. 46		323.84	Reach 19 Total:	364	13	0	0	0	351	0
20A	47	Check No. 47	326.77								
	48		326.91	Antelope Valley-East Kern WA Willow Springs (T273)	18					1/ 18	
			329.65	Antelope Valley-East Kern WA 120th Street West	Removed						
	Check No. 48		330.82								
	Check No. 49		335.93								
20B	50		336.73	Antelope Valley-East Kern WA Quartz Hill (T274)	1,892					1/ 1,892	
			339.68	Antelope Valley-East Kern WA Rancho Vista (T275)	4						
			340.92	AVEK WA-Temp (T387)	0						
	Check No. 50		341.51								
	51		342.06	AVEK WA-Temp (T386)	0						
	Check No. 51		342.07								
	52		342.95	Antelope Valley-East Kern WA 30th Street West (T414)	0						
21	53		343.74							1/ 235	
			346.98	Palmdale WD (T276) Temp.	235						
	54		348.14	Antelope Valley-East Kern WA Acton Treatment Plant (T277)	8						
			348.17								
	Check No. 53		349.52	Palmdale WD (T394)	0						
	55	Check No. 54	350.25								
	55	Check No. 55	352.70								
22A	56	Check No. 56	354.76							1/ 8	
	57		354.97	AVEK WA- Delivered through Littlerock Creek ID (T278)	0						
			354.97	Palmdale WD (T276)	0						
			354.97	Palmdale WD (T391)	0						
	Check No. 57		356.93								
22A	58		357.60	AVEK 95th Street East (T279)	0					1/ 133	
			357.72	AVEK 96th Street East (T280)	0						
			359.76	AVEK East Side Treatment Plant (T281)	0						

1/ Article 56C.

Table 31. Governor Edmund G. Brown California Aqueduct
 Southern Field Division, Monthly Deliveries (East Branch, Continued)

(In acre-feet)

January 2010

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries							
	Beginning and Ending					Table A	Rec.	Flexible Withdrawal	Local	Article 56C/12E	Other		
	No.	Structure	Mile										
22B	58	Pearblossom Pumping Plant	360.61		9,180	166	1				1/ 104		
	59	Check No. 59	366.09										
	60		366.50		AVEK Big Rock Siphon (T368)			0					
	61	Check No. 60	373.94										
	61	Check No. 61	379.00										
	62	Check No. 62	384.26										
	63		389.20		Mojave Water Agency White Road 24" & 42" (T282)			166					
	64	Check No. 63											
	64	Check No. 64	395.10										
	65	Check No. 65	400.32										
23	66		401.10		Mojave Water Agency Morongo 24" & 42" (T284)		2				2/ 11		
		Check No. 66	403.41										
		Mojave Siphon	405.58		Las Flores Ranch Exchange			104					
24		Mojave Siphon Powerplant	405.65				98				3/ 2,482		
					MWA CS DAM (T288)			0					
		Silverwood Lake	407.65		California State Park Silverwood (T288)			2					
			407.70		Crestline-Lake Arrowhead WA State Project Water (T289)			0					
		San Bernardino Intake Tunnel			Non-Project Water (T289)			109					
25		Devil Canyon Powerplant	412.73					20,083					
26A	68	Devil Canyon Afterbay Control Structures	412.88		MWD-Rialto (T292)		4/ 3,135				4/ 3,135		
					MWD-Rialto (T293)			2,482					
					Desert Water Agency Transfer (T293)			3,135					
					Coachella Valley WD Transfer (T293)			7,595					
					MWD EBX-1 (T290)			0					
					MWD EBX-1 (T291)			0					
					East Branch Extension			1,532					
					San Gorgonio Pass WA			100					
28G	69	Santa Ana Valley Pipeline	425.46				5/ 1,532				6/ 100		
28H			433.06		MWD-SC Box Springs (T295)			3,616					
			440.05		MWD-SC Perris Bypass Pipeline (T296)			0					
28J	69	Lake Perris	442.00		MWD-SC (T297)		24				3/ 168		
			443.44		MWD-SC 54" & 78" (T299)			1,802					
					Calif. State Park								
					Lake Perris Parks & Rec. (T298)			24					
					MWD Total:	56,192		0	0	23,792	0	10,730	21,670

1/ Project water delivered from Mojave Siphon in exchange for like amount of natural stream flow.

2/ SBVMWD's stored 2005 Table A water transferred to Crestline Lake Arrowhead WA.

3/ Arvin Edison Recovery.

4/ Article 12E.

5/ Includes 0 AF to San Gabriel Valley MWD, 1,193 AF to San Bernardino Valley MWD, and 339 AF to San Gorgonio Pass WA.

6/ Table A Exchange from San Gorgonio Pass WA to San Bernardino Valley MWD.

Table 32. Water Quality At Selected SWP Locations

January 2010

Constituent	Units	Thermalito Afterbay At Outlet	North Bay Aqueduct Barker Slough Pumping Plant	Delta Mendota Canal At McCabe Rd.	California Aqueduct					
					Banks Pumping Plant	O'Neill Forebay Outlet (Check 13)	Kettleman City (Check 21)	Near Hwy 119 (Check 29)	Tehachapi Afterbay (Check 41)	Devil Canyon Headworks
Alkalinity	mg/l as CaCO ₃	43	109	90	84	88	78	69	89	65
Antimony	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NR	NR
Arsenic	mg/l	<0.001	0.002	0.002	0.002	0.002	0.002	0.006	0.006	0.003
Beryllium	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	mg/l	<0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1
Bromide	mg/l	<0.01	0.05	0.38	0.39	0.35	0.22	0.15	0.16	0.23
Calcium	mg/l	9	20	29	26	28	22	29	32	22
Chloride	mg/l as C	1	30	126	129	116	75	49	44	70
Chromium	mg/l as C	<0.001	<0.001	0	<0.001	<0.001	<0.001	0	0	0
Copper	mg/l	<0.001	0	0	0	0	0	0	0	0
Fluoride	mg/l	NR	NR	NR	NR	NR	NR	NR	NR	NR
Hardness	mg/l	37.000	120.000	154.000	141.000	144.000	112.000	93.000	112.000	94.000
Iron	mg/l	0	0	0	0	0	<0.005	<0.005	<0.005	0.0
Lead	mg/l as CaCO ₃	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0	<0.001	<0.001
Magnesium	mg/l	4.000	17.000	20.000	19.000	18.000	14.000	5.000	8.000	9.000
Manganese	mg/l	<0.005	0.056	<0.005	0.020	<0.005	<0.005	<0.005	<0.005	<0.005
Nitrate + Nitrite	mg/l	0	0	1	1	1	1	1	2	1
Organic Carbon, Dissolved	mg/l	NR	3.800	3.500	3.700	3.400	2.500	1.100	0.700	1.800
Organic Carbon, Total	mg/l as N	NR	4.40	3.70	3.70	3.40	2.60	2.00	0.70	1.80
Phosphate-Ortho	mg/l as P	<0.01	0.06	0.06	0.05	0.05	0.05	NR	0.01	0.04
Phosphorus-Total	mg/l	0.01	0.15	0.09	0.09	0.09	0.09	0.04	0.02	0.06
Selenium	mg/l	<0.001	<0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Sodium	mg/l	4	32	83	82	77	52	47	47	53
Specific Conductance	µS/cm	87	381	710	692	669	496	347	444	438
Sulfate	mg/l	2	31	58	50	57	42	38	49	36
Total Dissolved Solids	mg/l	59	219	393	382	369	275	215	277	254
Turbidity	NTU	5	32	3	5	5	<1	1	<1	1
Zinc	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0	<0.005

mg/l milligrams per liter

µg/l micrograms per liter

µS/cm microSiemens per centimeter

NR - Not Reported

NTU - nephelometric turbidity units

Table 33. Water Quality At Selected Delta Stations

January 2010

Date	Antioch Tides (feet above mean sea level)		Flow In CFS			Electrical Conductivity in millisiemens/cm									Cl in mg/l	
			Net Delta Outflow Index		Rio Vista	Antioch	Chippis Island	Emmaton		Jersey Point		Clifton Court	Cache Slough	Delta Mendota Canal		
	Highest High Tide	Actual High Half Tide	Mean Daily	Monthly Average				md	md	md	14dm	md	14dm	md	md	
38	1	6.57	4.15	7,134	7,134	7,820	5.19	11.89	2.34	1.43	1.82	1.68	0.59	0.82	0.75	120
	2	6.33	4.06	6,947	7,040	7,890	4.80	11.20	1.88	1.48	1.66	1.69	0.66	0.82	0.76	93
	3	5.95	3.96	6,994	7,025	8,182	4.33	10.41	1.66	1.51	1.52	1.68	0.64	0.81	0.78	111
	4	5.59	3.83	6,000	6,768	8,276	4.00	9.78	1.37	1.53	1.42	1.66	0.66	0.82	0.80	85
	5	5.38	3.77	6,310	6,677	8,990	3.83	9.25	1.12	1.56	1.40	1.65	0.67	0.84	0.81	100
	6	5.58	3.68	6,512	6,649	9,158	3.53	8.79	1.03	1.60	1.34	1.65	0.65	0.86	0.83	99
	7	5.76	3.58	6,493	6,627	8,693	3.36	8.24	1.07	1.62	1.25	1.64	0.68	0.85	0.83	98
	8	5.84	3.69	6,107	6,562	8,332	3.58	8.79	1.05	1.64	1.39	1.64	0.67	0.86	0.87	93
	9	5.96	3.84	6,624	6,569	8,199	3.82	9.12	1.18	1.65	1.45	1.63	0.65	0.84	0.87	92
	10	6.10	3.97	6,369	6,549	7,963	4.11	9.58	1.45	1.66	1.54	1.61	0.65	0.84	0.86	93
	11	6.09	4.03	6,161	6,514	7,720	4.17	9.88	1.52	1.64	1.50	1.59	0.67	0.83	0.89	115
	12	6.78	4.60	5,954	6,467	7,487	5.33	12.11	2.41	1.65	1.93	1.58	0.66	0.81	0.82	115
	13	6.64	4.69	5,754	6,412	7,328	5.44	12.46	2.30	1.62	1.84	1.56	0.65	0.86	0.80	90
	14	6.17	4.13	8,056	6,530	9,150	4.29	9.82	1.34	1.55	1.49	1.54	0.69	0.85	0.86	88
	15	6.01	3.99	9,584	6,733	10,744	3.78	8.85	1.06	1.46	1.41	1.51	0.66	0.77	0.88	112
	16	6.15	4.17	13,277	7,142	14,178	3.64	8.61	0.87	1.39	1.42	1.49	0.66	0.73	0.84	116
	17	6.27	4.41	14,610	7,582	15,290	3.57	8.71	0.84	1.33	1.43	1.49	0.67	0.73	0.84	99
	18	6.86	5.01	13,709	7,922	14,185	4.28	10.19	1.15	1.31	1.66	1.50	0.68	0.74	0.86	97
	19	6.58	5.31	13,827	8,233	13,796	4.76	9.77	0.89	1.30	1.71	1.53	0.65	0.30	0.80	82
	20	6.62	5.38	21,298	8,886	19,494	4.34	8.18	0.54	1.26	1.51	1.54	0.69	0.19	0.83	95
	21	6.87	5.20	37,848	10,265	31,660	3.25	4.92	0.30	1.21	1.24	1.54	0.70	0.21	0.78	73
	22	7.02	5.13	51,054	12,119	39,645	2.05	2.94	0.31	1.15	1.06	1.51	0.69	0.22	0.81	75
	23	6.60	4.52	54,619	13,967	41,745	1.29	1.13	0.29	1.09	0.79	1.47	0.67	0.32	0.79	75
	24	6.34	4.29	64,715	16,081	52,707	1.09	0.62	0.32	1.01	0.64	1.40	0.60	0.37	0.70	71
	25	6.65	4.74	62,825	17,951	51,923	0.99	0.46	0.27	0.92	0.58	1.34	0.59	0.37	0.63	64
	26	6.98	4.98	58,233	19,501	50,171	0.67	0.39	0.22	0.76	0.55	1.24	0.58	0.27	0.61	109
	27	7.21	4.95	51,793	20,697	45,799	0.58	0.33	0.23	0.62	0.48	1.14	0.57	0.35	0.62	107
	28	7.13	4.85	46,739	21,627	42,446	0.52	0.30	0.23	0.54	0.43	1.06	0.57	0.47	0.61	112
	29	7.19	4.84	52,799	22,702	49,320	0.47	0.28	0.22	0.48	0.40	0.99	0.56	0.57	0.63	74
	30	7.12	4.86	54,792	23,771	50,534	0.44	0.26	0.19	0.43	0.37	0.92	0.56	0.67	0.65	87
	31	6.78	4.71	48,309	24,563	44,520	0.41	0.23	0.18	0.38	0.35	0.84	0.56	0.73	0.66	74

Clifton Court Cl(mg/l)=200X EC - 25

e = Estimated

N.R. = No Record.

N.C. = Not computed due to insufficient data.

f = Excess Delta conditions with fish concerns.

r = Excess delta conditions with export/inflow ratio concerns.

s = Balanced water conditions with storage withdrawals.

dm = Daily Mean

md = Mean Daily

Table 34. Pesticides, Herbicides, and Other Organic Substances Detected In the SWP

January 2010

Sampling Location	Sample Date 1/	Chemical Detected	Concentration µg/l 2/
North Bay Aqueduct At Barker Slough Pumping Plant	September 16, 2009	None	
California Aqueduct At Banks Pumping Plant	September 16, 2009	None	
O'Niell Forebay Outlet Check 13	September 15, 2009	None	
Delta Mendota Canal At McCabe Road	September 15, 2009	None	
California Aqueduct Near Kettleman City (Check 21)	September 15, 2009	None	
California Aqueduct At Near Highway 119 (Check 29)	September 15, 2009	None	
California Aqueduct at Tehachapi Afterbay (Check 41)	September 16, 2009	None	
California Aqueduct At Devil Canyon Headworks	September 16, 2009	None	

1/ Locations are normally sampled during March, June, and September. Monthly reports will include data for the month in which samples were most recently taken.

2/ Micrograms per liter.

Table 35. Oroville and Delta Field Divisions Energy Data

(in kWh)

January 2010

Date	Oroville Thermalito Complex		Barker Slough Pumping Plant	Cordelia Pumping Plant Load	Banks Pumping Plant		South Bay Pumping Plant Load	Del Valle Pumping Plant Load
	Generation	Load			Total Load	SWP Load		
1	1,656,963	55	4,776	14,779	1,672,776	1,672,776	2,529	943
2	1,111,858	11	5,520	14,779	1,674,336	1,674,336	1,974	947
3	1,607,947	0	5,238	14,623	1,682,712	1,682,712	1,627	947
4	2,358,510	44	4,493	13,807	2,219,104	2,219,104	1,633	950
5	3,267,055	0	6,006	16,381	2,442,896	2,442,896	1,660	896
6	2,158,013	22	5,323	14,632	2,574,312	2,574,312	7,108	858
7	4,040,531	0	6,199	17,082	2,252,664	2,252,664	3,330	916
8	1,639,869	33	5,086	13,360	2,237,808	2,237,808	56,082	980
9	881,661	0	6,690	14,362	1,922,912	1,922,912	27,275	1,003
10	755,007	0	9,723	19,904	2,029,696	2,029,696	53,695	1,003
11	2,292,840	0	5,913	14,851	1,905,752	1,905,752	35,006	983
12	1,390,554	924	5,568	17,351	2,002,520	2,002,520	47,108	949
13	1,422,762	330	5,322	15,035	2,284,336	2,284,336	69,601	948
14	2,419,692	396	5,307	12,810	2,470,480	2,470,480	76,211	956
15	2,184,248	2,596	6,122	17,149	2,895,880	2,895,880	47,638	959
16	915,684	3,718	5,332	15,586	2,771,160	2,771,160	56,349	954
17	907,302	1,100	5,867	15,491	3,077,008	3,077,008	79,069	953
18	4,114,770	253	4,975	14,818	2,783,520	2,783,520	90,394	984
19	4,158,682	44	5,615	15,948	2,799,448	2,799,448	96,513	965
20	3,667,884	308	2,179	6,528	2,792,976	2,792,976	73,472	961
21	1,103,311	363	3,790	10,108	2,892,576	2,892,576	88,872	902
22	1,060,114	11	4,740	13,204	335,816	335,816	89,514	834
23	268,092	44	5,836	16,155	2,162,832	2,162,832	89,978	826
24	390,808	99	4,020	11,735	1,955,048	1,955,048	108,889	830
25	37,928	297	4,741	14,053	1,568,448	1,568,448	80,951	833
26	932,239	66	6,657	17,567	2,657,696	2,657,696	70,858	815
27	38,885	0	4,044	11,489	2,268,392	2,268,392	91,395	817
28	440,583	0	4,212	13,678	2,660,872	2,660,872	91,785	814
29	40,678	0	6,164	15,553	3,027,168	3,027,168	113,332	813
30	355,388	341	5,187	16,192	3,037,648	3,037,648	105,965	807
31	451,143	0	5,387	14,720	2,077,688	2,077,688	116,832	812
Total	48,071,001	11,055	166,031	453,727	71,136,480	71,136,480	1,876,645	28,156

Table 36. San Luis Field Division Energy Data

(in kWh)

January 2010

Date	Dos Amigos Pumping Plant		Gianelli Pumping-Generating Plant			
	Total Load	SWP Load 1/	Total Generation	SWP Generation 1/	Total Load	SWP Load 1/
1	148,100	100,100	0	0	1,837,286	1,453,286
2	136,204	88,204	0	0	1,882,188	1,474,188
3	159,997	111,997	0	0	1,982,255	1,598,255
4	220,741	172,741	0	0	1,791,625	1,407,625
5	124,535	76,535	0	0	2,752,310	2,368,310
6	142,328	94,328	0	0	2,751,243	2,367,243
7	154,418	106,418	0	0	2,754,213	2,346,213
8	161,152	161,152	0	0	2,137,949	2,113,949
9	168,502	168,502	0	0	1,840,443	1,824,443
10	157,491	157,491	0	0	1,834,536	1,546,536
11	156,195	156,195	0	0	2,260,203	2,236,203
12	129,746	129,746	0	0	2,022,240	2,022,240
13	130,291	130,291	0	0	1,915,342	1,795,342
14	148,646	148,646	0	0	2,017,675	1,729,675
15	202,154	202,154	0	0	2,018,544	1,730,544
16	182,045	182,045	0	0	1,968,956	1,664,956
17	180,549	180,549	0	0	4,145,834	2,993,834
18	42,174	42,174	0	0	2,497,066	2,113,066
19	14,953	14,953	0	0	2,594,284	2,290,284
20	15,061	15,061	0	0	2,588,641	2,572,641
21	15,179	15,179	0	0	3,896,937	2,912,937
22	15,212	15,212	0	0	2,162,457	1,282,457
23	69,665	69,665	0	0	2,677,840	1,789,840
24	95,942	95,942	0	0	4,783,339	2,479,339
25	14,920	14,920	0	0	3,226,630	2,218,630
26	69,066	69,066	0	0	3,754,399	2,158,399
27	15,698	15,698	0	0	4,601,729	2,525,729
28	22,237	22,237	0	0	4,599,485	2,547,485
29	101,477	101,477	0	0	3,975,675	3,207,675
30	101,768	101,768	0	0	4,021,985	3,217,985
31	101,331	101,331	0	0	4,238,256	1,502,256
Total	3,397,777	3,061,777	0	0	87,531,565	65,491,565

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

Table 37. San Joaquin Field Division Plant Energy Load Data

(in kWh)

January 2010

Date	Coastal Branch					California Aqueduct			
	Las Perillas	Badger Hill	Devil's Den	Bluestone	Polonio	Buena Vista	Teerink	Chrisman	Edmonston
1	3,268	7,101	27,031	25,122	26,813	347,978	487,042	1,109,911	4,080,132
2	2,238	5,727	12,054	10,622	11,561	383,420	543,946	1,205,435	4,587,840
3	5,905	13,750	37,012	34,432	37,093	396,126	492,448	1,113,255	4,089,582
4	2,490	4,901	16,306	15,931	16,137	491,423	676,328	1,503,502	5,606,766
5	5,072	13,601	27,716	25,674	27,715	360,758	497,804	1,117,721	4,160,538
6	3,794	8,428	19,758	18,248	20,111	436,779	570,445	1,284,613	4,780,593
7	5,250	12,550	28,067	26,080	27,831	453,366	617,335	1,361,360	4,986,981
8	4,328	9,737	24,399	22,503	24,747	386,469	536,117	1,192,598	4,427,919
9	5,127	14,928	30,204	27,761	29,788	411,289	542,795	1,209,582	4,485,915
10	5,676	12,087	23,902	23,276	24,384	388,150	528,370	1,173,073	4,367,979
11	3,103	6,842	14,351	12,063	13,947	392,537	516,789	1,146,651	4,206,735
12	3,719	8,376	16,214	15,071	16,355	259,666	341,231	775,896	2,974,617
13	4,134	10,412	21,429	20,550	21,817	336,278	470,561	1,038,004	3,786,534
14	4,204	9,847	15,974	14,942	15,576	422,987	565,618	1,271,578	4,738,770
15	2,482	5,672	9,772	8,560	9,202	500,080	591,572	1,312,916	4,915,377
16	4,903	11,394	18,810	17,814	19,289	413,933	587,905	1,343,210	4,991,841
17	3,383	7,401	17,507	15,836	16,986	402,070	526,176	1,209,538	4,575,501
18	3,473	7,845	17,732	16,950	17,913	206,548	290,137	629,288	2,374,272
19	1,429	2,668	18,395	16,982	18,045	210,886	303,790	675,972	2,392,659
20	1,037	3,536	16,615	16,181	16,987	198,680	279,954	625,966	2,425,140
21	2,754	5,890	24,448	22,874	24,645	303,514	421,803	967,395	3,605,094
22	2,335	4,724	15,250	13,933	14,166	352,417	469,832	1,073,259	3,906,090
23	2,305	4,682	17,284	15,899	17,191	357,746	507,640	1,111,429	4,167,477
24	3,681	8,391	18,856	17,052	18,907	358,454	486,776	1,136,201	4,226,445
25	3,638	8,597	22,568	21,699	22,570	373,703	517,739	1,138,203	4,172,742
26	1,767	3,272	12,161	11,066	11,558	339,577	505,327	1,123,760	4,176,090
27	3,627	8,073	23,666	21,754	23,477	344,273	477,835	1,106,380	4,173,714
28	3,082	7,228	24,649	22,779	24,119	356,573	487,271	1,120,240	4,173,471
29	3,183	6,850	21,162	19,821	21,844	346,709	449,440	1,024,254	3,840,183
30	4,393	9,884	17,560	16,195	16,693	313,553	453,096	1,060,510	3,938,490
31	6,892	18,254	31,615	29,577	31,688	379,600	532,415	1,218,690	4,480,407
Total	112,674	262,646	642,468	597,250	639,155	11,225,543	15,275,538	34,380,390	127,815,894

Table 38. Southern Field Division Energy Data

(in kWh)

January 2010

Date	West Branch			East Branch				East Branch Extension		
	Oso Pumping Plant Load	Warne Powerplant Generation	Castaic SWP Gen /1	Alamo Powerplant Generation	Pearblossom Pumping Plant Load	Devil Canyon Powerplant Generation	Mojave Siphon Powerplant Generation	Green spot Pumping Plant	Crafton Hills Pumping Plant	Cherry Valley Pumping Plant
1	454,404	665,777	2,016,000	0	15,822	343,256	0	1,502	520	421
2	547,098	663,692	2,016,000	0	15,559	335,527	0	19,844	18,673	419
3	466,005	661,370	2,016,000	30,528	15,606	332,575	0	20,233	22,258	416
4	633,669	664,200	2,016,000	24,004	16,471	331,236	0	19,741	20,688	424
5	482,794	663,144	2,016,000	0	62,794	474,642	0	34,403	43,269	3,364
6	547,491	662,418	2,016,000	0	15,581	496,699	0	36,111	43,973	3,128
7	571,780	664,646	2,016,000	0	14,782	591,019	0	31,782	39,937	421
8	495,636	662,712	2,016,000	0	15,290	414,569	0	11,223	12,644	432
9	495,146	512,271	2,016,000	0	30,336	534,254	0	16,291	21,187	430
10	512,022	663,649	2,016,000	0	14,759	552,676	0	16,728	22,230	431
11	499,160	661,011	2,016,000	0	14,975	487,825	0	16,758	22,087	436
12	351,557	221,540	2,016,000	0	14,589	581,594	0	30,385	43,108	443
13	450,011	207,727	2,016,000	0	14,964	836,964	0	32,095	43,909	436
14	549,749	663,981	2,016,000	0	15,410	632,020	0	23,757	32,810	431
15	466,429	662,772	2,016,000	0	15,243	1,070,939	0	15,582	20,181	442
16	505,016	661,654	2,016,000	0	14,679	984,794	0	16,505	21,902	462
17	531,617	663,422	2,016,000	0	14,882	931,669	0	16,524	22,061	462
18	270,766	663,935	1,056,000	0	15,158	1,153,901	0	16,544	21,918	280
19	279,329	663,325	816,000	0	16,921	1,306,786	0	31,122	43,890	455
20	282,849	661,794	816,000	0	16,861	1,514,549	0	22,818	32,915	826
21	284,090	662,405	816,000	0	456,628	917,831	21,959	15,368	20,100	809
22	453,844	663,377	816,000	0	62,685	877,334	47,474	18,822	25,724	804
23	309,607	661,141	816,000	0	467,351	965,102	26,711	12,886	16,715	704
24	290,027	661,438	816,000	0	525,373	948,946	62,901	17,365	22,805	713
25	294,865	663,231	1,056,000	0	532,124	1,006,650	61,978	30,483	42,879	830
26	276,767	661,700	1,056,000	0	533,994	690,743	48,891	11,036	14,698	835
27	285,432	662,199	1,056,000	0	537,858	972,256	66,385	12,382	16,595	793
28	297,570	516,534	1,056,000	0	533,360	1,062,151	70,457	22,885	32,621	575
29	287,062	663,233	1,056,000	0	469,359	774,785	81,851	22,775	32,379	506
30	316,583	663,117	1,056,000	0	471,661	1,130,310	57,217	11,383	16,249	377
31	225,553	663,590	1,056,000	0	528,246	721,080	59,441	12,709	16,218	380
Total	12,713,927	19,357,007	47,616,000	54,533	5,489,318	23,974,682	605,265	618,045	807,143	21,887

1/ Energy delivered to SWP by LADWP at Sylmar substation; not necessarily related to actual Castaic operations.